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Informal Technical Information Report

For Analytical Data For

Plant 78

Prepared By: Environmental Science and Engineering, Inc.
Denver, CO
July 1990

AGM01-03-0517

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7 August 1990 Project No. 89946

Captain I. Atkins, Jr.
OEHL Technical Program Manager
USAF OEHL/TSS
Building 624
Brooks AFB, TX 78235-5501

Dear Captain Atkins:

Enclosed please find four copies of a Draft Information Technical Report (ITIR) for the surface sampling of Blue Creek of earlier this year. This ITIR was prepared using the USAFOEHL-TS Handbook version 2.0. If you have any questions concerning this report, please call.

Sincerely

Robert H. Chesson Project Manager

cc: L. Bilello

Project Files

Informal Technical Information Report

For Analytical Data For

Plant 78

Prepared By: Environmental Science and Engineering, Inc.
Denver, CO
July 1990

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Sample Identification Cross Reference Table

TABLE P783-W SAMPLE IDENTIFICATION CROSS REFERENCE FOR Plant 78 Water Samples

	QC Beculte	INCOMIS.	45	. 2 4	5.4	. 2 4	45	45	45	45	45	45
•	Chain of	Capaci	39	36	36	36	36	36	36	36	36	36
	Confirmation Sheets		NA	NA	NA	NA	NA	NA	N.A.	NA	ĄN	NA
	Analysis Date Report		34	38	34	8	\$	8	\$	æ	8	z
	Analytical Results		11	11	11	11	11	11	11	==	11	11
	Sample Description		GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER	DUPLICATE	TRIP BLANK
	Field Number		BCSW3-3	BCSW3-4	BCSW3-5	BCSW3-6	BCSW3-7	BCSW3-8	BCSW3-9	.0 BCSW3-10	SW3-DUPE	TRPBLK
			ю	4	S	9	7	∞	6	10	11B(12
	Lab Number		BCSW3	BCSW3	BCSW3	BCSW3	BCSW3	BCSW3	BCSW3	BCSW3	BCSW3	BCSW3

TABLE P783-S SAMPLE IDENTIFICATION CROSS REFERENCE FOR Plant 78 Soil Samples

Initial Reference Page

QC Results	28	28	58	58	58	28	28	288	28	28
Chain of Custody	38	38	88	38	38	38	38	38	38	38
Second Column Confirmation Sheets	NA	NA	N.A.	NA	NA	NA	ĄN	NA	NA	NA
Extraction/ Analysis Date Report	35	35	35	35	35	35	35	35	35	35
Analytical Results	23	22	23	22	23	22	22	22	22	22
Sample Description	SOIL	DUPLICATE	TRIPBLANK							
Field Number	BCSW3-3	BCSW3-4	BCSW3-5	BCSW3-6	BCSW3-7	BCSW3-8	BCSW3-9	BCSW3-10	SW3-DUPE	RIPBLANK
	m	4	'n	9	7	œ	6	10	11BC	13 T
Lab Number	BCSS3	BCSS3	BCSS3							

Analytical Methods and Method Detection Limits

TABLE D-2A. Analytical Methodologies, Detection Limits, and Practical Quantitation Limits for Plant 78 - Aqueous Samples

Parameter	Method	Detection Limit (mg/L)	Practical Quantitation Limits (mg/L)
COMMON ANIONS			
HYDROCARBONS, PETROL.	E418.1	5.12	25.6
FURNACE AND COLD VAPOR (C.V.)			
MERCURY, TOTAL	E245.1	0.12	. 6
ICAP METAL SCREEN			
ALUMINUM, TOTAL ANTIMONY, TOTAL ARSENIC, TOTAL BARIUM, TOTAL BERYLLIUM, TOTAL CADMIUM, TOTAL CALCIUM, TOTAL CHROMIUM, TOTAL COPPER, TOTAL IRON, TOTAL LEAD, TOTAL HAGNESIUM, TOTAL MAGNESIUM, TOTAL MOLYBDENUM, TOTAL NICKEL, TOTAL POTASSIUM, TOTAL SELENIUM, TOTAL SELENIUM, TOTAL SILVER, TOTAL SODIUM, TOTAL THALLIUM, TOTAL VANADIUM, TOTAL ZINC, TOTAL	E200.7 E200.7	0.018 0.019 0.028 0.001 0.001 0.002 0.01 0.004 0.007 0.003 0.004 0.026 0.03 0.001 0.004 0.008 0.46 0.042 0.003 0.057 0.15 0.004 0.002	.09 .095 .14 .005 .005 .01 .05 .02 .035 .015 .02 .13 .15 .005 .02 .04 2.3 .21 .015 .285 .75
PURGEABLE HALOCARBONS			
1-CHLOROHEXANE 1,1-DICHLOROETHANE 1,1,1-TRICHL'ETHANE 1,1,1,2-TETRACH'ETHANE 1,1,2-TRICHL'ETHANE 1,1,2,2-TETRACHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROPROPANE 2-CHLOROETHYLVINYLETHER BROMOBENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE CARBON TETRACHLORIDE CHLOROBENZENE	\$\text{\$\text{\$\text{\$W8010}}\$} \$\text{\$\texit{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\tex	0.005 0.0004 0.0002 0.005 0.0001 0.0002 0.0007 0.0002 0.0005 0.0005 0.001 0.006 0.0006	0.025 0.002 0.001 0.025 0.0005 0.001 0.0035 0.001 0.0035 0.025 0.0025 0.005 0.03

TABLE D-2A. Analytical Methodologies, Detection Limits, and Practical Quantitation Limits for Plant 78 - Aqueous Samples

Parameter	Method	Detection Limit (mg/L)	Practical Quantitation Limits (mg/L)
PURGEABLE HALOCARBONS (Continue	ed)		
CHLOROETHANE	SW8010	0.003	0.015
CHLOROFORM	SW8010	0.0002	0.001
CHLOROMETHANE	SW8010	0.0004	0.002
CIS-1,3-DICHLOROPROPENE	SW8010	0.002	0.01
DIBROMOCHLOROMETHANE DIBROMOMETHANE	SW8010 SW8010	0.0005 0.005	0.0025
DICHLORODIFLUOROMETHANE	SW8010	0.009	0.025 0.045
METHYLENE CHLORIDE	SW8010	0.002	0.01
TETRACHLOROETHENE	SW8010	0.0002	0.001
TRANS-1,3-DICHLOROPROPENE	SW8010	0.002	0.01
TRANS-1, 2-DICHLOROETHENE	SW8010	0.0005	0.0025
TRICHL'FLUOROMETHANE TRICHLOROETHENE	SW8010 SW8010	0.005 0.0006	0.025 0.003
VINYL CHLORIDE	SW8010	0.0003	0.003
PURGEABLE AROMATICS			
BENZENE	SW8020	0.0007	0.0035
CHLOROBENZENE	SW8020	0.001	0.005
DICHLOROBENZENE	SW8020	0.0012	0.006
ETHYLBENZENE	SW8020	0.001	0.005
TOLUENE XYLENES, TOTAL	SW8020	0.001	0.005
ALLENES, IOIAL	SW8020	0.002	0.01
SEMIVOLATILE ORGANIC COMPOUND			
1-NAPHTHYLAMINE	SW8270	0.00481	0.02405
1-CHLORONAPHTHALENE	SW8270	0.00551	0.02755
1,2-DIPHEN'HYDRAZINE 1,2-DICHLOROBENZENE	SW8270 SW8270	0.00771	0.03855
1,2,4-TRICH'BENZENE	SW8270	0.0002 0.00026	0.001 0.0013
1,2,4,5-TETRACHLOROBENZENE	SW8270	0.00856	0.0428
1,3,DICHLOROBENZENE	SW8270	0.00108	0.0054
1,4-DICHLOROBENZENE 2-CHLOROPHENOL	SW8270	0.00012	0.0006
2-METHYL PHENOL	SW8270 SW8270	0.00014 0.00042	$0.0007 \\ 0.0021$
2-METHLYNAPHTHALENE	SW8270	0.00042	0.0021
2-NITROPHENOL	SW8270	0.00090	0.0045
2-NITROANILINE	SW8270	0.00114	0.0057
2-PICOLINE	SW8270	0.0162	0.081
2-CHLORONAPHTHALENE 2-NAPHTHYLAMINE	SW8270 SW8270	0.00023	0.00115
2,3,4,6 TETRACL'PHENOL	SW8270	0.00376 0.00896	0.0188 0.0448
2,4-DICHLOROPHENOL	SW8270	0.00018	0.0009
2,4-DINITROTOLUENE	SW8270	0.00122	0.0061
2,4-DINITROPHENOL 2,4-DIMETHYLPHENOL	SW8270	0.00171	0.00855
2,4,5-TRICHL'PHENOL	SW8270 SW8270	0.00014 0.00046	0.0007
2,4,6-TRICHL'PHENOL	SW8270	0.00046	0.0023 0.00085
2,6-DINITROTOLUENE	SW8270	0.00017	0.00465
2,6-DICHLOROPHENOL	SW8270	0.00915	0.04575
3-NITROANILINE	SW8270	0.00153	0.04373

TABLE D-2A. Analytical Methodologies, Detection Limits, and Practical Quantitation Limits for Plant 78 - Aqueous Samples

Parameter SEMIVOLATILE ORGANIC COMPOUND (Con 3-METHYLCHOLANTHRENE 3,3'-DICHL'BENZIDINE 4-BROMOPHENYLPHENYLETHER 4-METHYL PHENOL 4-NITROANILINE 4-CHLOROPHENYLPHENYLETHER	Method tinued) SW8270 SW8270 SW8270 SW8270 SW8270 SW8270 SW8270 SW8270	0.00550 0.00194 0.00029 0.00040 0.00192 0.0004	0.0275 0.0097 0.00145 0.002
3-METHYLCHOLANTHRENE 3,3'-DICHL'BENZIDINE 4-BROMOPHENYLPHENYLETHER 4-METHYL PHENOL 4-NITROANILINE 4-CHLOROPHENYLPHENYLETHER	SW8270 SW8270 SW8270 SW8270 SW8270 SW8270 SW8270	0.00194 0.00029 0.00040 0.00192 0.0004	0.0097 0.00145 0.002
3,3'-DICHL'BENZIDINE 4-BROMOPHENYLPHENYLETHER 4-METHYL PHENOL 4-NITROANILINE 4-CHLOROPHENYLPHENYLETHER	SW8270 SW8270 SW8270 SW8270 SW8270 SW8270	0.00194 0.00029 0.00040 0.00192 0.0004	0.0097 0.00145 0.002
4-BROMOPHENYLPHENYLETHER 4-METHYL PHENOL 4-NITROANILINE 4-CHLOROPHENYLPHENYLETHER	SW8270 SW8270 SW8270 SW8270 SW8270	0.00029 0.00040 0.00192 0.0004	0.00145 0.002
4-METHYL PHENOL 4-NITROANILINE 4-CHLOROPHENYLPHENYLETHER	SW8270 SW8270 SW8270 SW8270	0.00040 0.00192 0.0004	0.002
4-NITROANILINE 4-CHLOROPHENYLPHENYLETHER	SW8270 SW8270 SW8270	0.00192 0.0004	
4-CHLOROPHENYLPHENYLETHER	SW8270 SW8270	0.0004	
	SW8270		0.0096
			0.002
4-CHLORO-3-METHYLPHENOL	SW877U	0.00048	0.0024
4-CHLOROANILINE		0.00034	0.0017
4-AMINOBIPHENOL	SW8270	0.0325	0.1625
4-NITROPHENOL 4,6-DINITRO-2-METHYLPHENOL	SW8270	0.00188	0.0094
	SW8270	0.00151 0.00544	0.00755
7,12-DIMETHYLBENZ(A)ANTHRANCEN A-,A-DIMETHYLPHENETHYLAMINE	SW8270 SW8270	0.00344	0.0272
ACENAPHTHENE	SW8270	0.00712	0.0356 0.0009
ACENAPHTHENE	SW8270	0.00016	0.0009
ACETOPHENONE	SW8270	0.00016	0.0008
ANILINE	SW8270	0.00543	0.01725
ANTHRACENE	SW8270	0.00322	0.00155
BENZIDINE	SW8270	0.0694	0.347
BENZO(A)ANTHRACENE	SW8270	0.00015	0.00075
BENZO(A)PYRENE	SW8270	0.00013	0.00075
BENZO(B)FLUORANTHENE	SW8270	0.0004	0.002
BENZO(GHI)PERYLENE	SW8270	0.0004	0.002
BENZO(K)FLUORANTHENE	SW8270	0.00083	0.00415
BENZOIC ACID	SW8270	0.00159	0.00795
BENZYL ALCOHOL	SW8270	0.00035	0.00175
BIS(2-ETHYLHEXYL)PHTHALATE	SW8270	0.00157	0.00785
BIS(2-CHL'ISOPROPYL)ETHER	SW8270	0.00053	0.00265
BIS(2-CHLOROETHYL)ETHER	SW8270	0.00014	0.0007
BIS(2-CHLOROETHOXY)METHANE	SW8270	0.00024	0.0012
BUTYLBENZYLPHTHALATE	SW8270	0.00106	0.0053
CHRYSENE	SW8270	0.00155	0.00775
DI-N-BUTYLPHTHALATE	SW8270	0.00086	0.0043
DI-N-OCTYLPHTHALATE	SW8270	0.00247	0.01235
DIBEN'(A,H)ANTH'CENE	SW8270	0.00082	0.0041
DIBENZ(A,J)ACRIDINE	SW8270	0.0327	0.1635
DIBENZOFURAN	SW8270	0.00017	0.00085
DIETHYLPHTHALATE	SW8270	0.00085	0.00425
DIMETHYLPTHALATE	SW8270	0.00042	0.0021
DIPHENYLAMINE	SW8270	0.00415	0.02075
ETHYL METHANESULFONATE	SW8270	0.00778	0.0389
FLUORANTHENE	SW8270	0.00069	0.00345
FLUORENE	SW8270	0.00044	0.0022
HEXACHLOROBENZENE	SW8270	0.00034	0.0017
HEXACHLOROBUTADI ENE	SW8270	0.00027	0.00135
HEXACHLOROCYCLOPENTADIENE HEXACHLOROETHANE	SW8270 SW8270	0.00083	0.00415
INDENO(1,2,3-CD)PYRENE		0.00014	0.0007
ISOPHORONE	SW8270 SW8270	$0.00081 \\ 0.00018$	0.00405
METHYL METHANESULFONATE	SW8270	0.00018	0.0009
N-NITROSODIPHE'AMINE	SW8270	0.00677	0.03385
N-NITROSODIFHE AMINE N-NITROSO-DI-N-BUTYLAMINE	SW8270	0.00027	0.00135 0.04315
N-NITROSODI-N-PROPYLAMINE	SW8270	0.00069	0.00345
N-NITROSOPIPERIDINE	SW8270	0.00069	0.00343

TABLE D-2A. Analytical Methodologies, Detection Limits, and Practical Quantitation Limits for Plant 78 - Aqueous Samples

Parameter	Method	Detection Limit (mg/L)	Practical Quantitation Limits (mg/L)
SEMIVOLATILE ORGANIC COMPOUND	(Continued)		
N-NITROSODIMET'AMINE	SW8270	0.00715	0.03575
NAPHTHALENE	SW8270	0.00013	0.00065
NITROBENZENE	SW8270	0.00055	0.00275
P-DIMETHYLAMINOAZOBENZENE	SW8270	0.00359	0.01795
PENTACHLOROBENZENE	SW8270	0.00538	0.0269
PENTACHLORONITROBENZENE	SW8270	0.0198	0.099
PENTACHLOROPHENOL	SW8270	0.00091	0.00455
PHENACETIN	SW8270	0.0222	0.111
PHENANTHRENE	SW8270	0.00023	0.00115
PHENOL	SW8270	0.00051	0.00255
PRONAMIDE	SW8270	0.0105	0.0525
PYRENE	SW8270	0.00083	0.00415

TABLE D-2B. Analytical Methodologies, Detection Limits, and Practical Quantitation Limits for Plant 78 - Soil Samples

Parameter	Method	Detection Limit (mg/kg)	Practical Quantitation Limits (mg/kg)				
COMMON ANIONS IN SOIL							
HYDROCARBONS, PETROL	E418.1	1.65	8.25				
COLD VAPOR (C.V.)							
MERCURY	SW7471	0.06	.3				
ICAP METAL SCREEN							
ALUMINUM, SED ANTIMONY, SED ARSENIC, SED BARIUM, SED BERYLLIUM, SED CADMIUM, SED CHROMIUM, SED COPPER, SED IRON, SED LEAD, SED MAGNESIUM, SED MAGNESIUM, SED MOLYBDENUM, SED NICKEL, SED POTASSIUM, SED SELENIUM, SED SILVER, SED SODIUM, SED THALLIUM, SED VANADIUM, SED ZINC, SED	\$\\$6010 \$\\$6010 \$\\$6010 \$\\$6010 \$\\$6010 \$\\$6010 \$\\$6010 \$\\$6010 \$\\$6010 \$\\$6010 \$\\$6010 \$\\$6010 \$\\$6010 \$\\$6010 \$\\$6010 \$\\$6010 \$\\$6010 \$\\$6010	1.8 1.9 2.8 0.1 0.1 0.2 0.4 0.7 0.3 0.4 2.6 3.0 0.1 0.4 0.8 45.5 4.2 0.3 5.7 14.8 0.4	9 9.5 14 .5 .5 1 2 3.5 1.5 2 13 15 .5 2 4 227.5 21 1.5 28.5 74 2				
SEMIVOLATILES 1-NAPHTHYLAMINE 1,2-DIPHENYLHYDRAZIN,S 1,2-DICHLOROBENZENE 1,2,4-TRICHLRBENZENE 1,2,4,5-TETRACHLOROBENZENE 1,3-DICHLOROBENZENE 1,4-DICHLOROBENZENE 2-CHLORONAPHTHALENE 2-PICOLINE 2-METHYLNAPHTHALENE 2-CHLOROPHENOL 2-METHYLPHENOL 2-NITROPHENOL 2-NAPHTHYLAMINE 2-NITROANILINE 2,3,4,6-TETRACHLOROPHENOL 2,4-DINITROTOLUENE	SW8270 SW8270 SW8270 SW8270 SW8270 SW8270 SW8270 SW8270 SW8270 SW8270 SW8270 SW8270 SW8270 SW8270 SW8270 SW8270 SW8270	0.32 0.51 0.01 0.02 0.57 0.05 0.08 7.74 1.08 0.03 4.53 0.03 0.06 0.25 0.08	1.6 2.55 .05 .1 2.85 .25 .4 38.7 5.4 .15 22.65 .15 .3 1.25				

TABLE D-2B. Analytical Methodologies, Detection Limits, and Practical Quantitation Limits for Plant 78 - Soil Samples

Parameter	Method	Detection Limit (mg/kg)	Practical Quantitation Limits (mg/kg)
SEMIVOLATILES (Continued)			
2,4-DIMETHYPHENOL	SW8270	0.01	. 05
2,4-DINITROPHENOL	SW8270	0.11	.55
2,4-DICHLOROPHENOL	SW8270	5.86	29.3
2,4,5-TRICH'PHENOL	SW8270	0.03	.15
2,4,6-TRICHLRPHENOL	SW8270	0.01	. 05
2,6-DICHLOROPHENOL 2,6-DINITROTOLUENE	SW8270	0.61	3.05
3-METHYLCHOLANTHRENE	SW8270 SW8270	0.06 0.37	.3
3-NITROANILINE	SW8270	0.10	1.85 .5
3,3-DICHLOROBENZIDINE	SW8270	0.10	. 65
4-BROMOPHENYL PHENYL ETHER	SW8270	0.02	.1
4-CHLOROPHENYLPHENYL ETHER	SW8270	0.03	.15
4-CHLOROANILINE, SED	SW8270	0.02	.1
4-CHLORO-3-METHYLPHENOL	SW8270	0.03	.15
4-NITROPHENOL 4-METHYLPHENOL	SW8270	0.13	. 65
4-NITROANILINE	SW8270 SW8270	0.03 0.13	.15
4-AMINOBIPHENYL	SW8270	2.16	.65 10.8
4,6-DINITRO-2-METHYLPHENOL	SW8270	0.10	.5
7,12-DIMETHYLBENZ(A)ANTHRANCE	SW8270	0.36	1.8
A-, A-DIMETHYLPHENETHYLAMINE	SW8270	0.47	2.35
ACENAPHTHENE, SOIL	SW8270	0.01	. 05
ACETOPHENONE, SOIL	SW8270	0.01	. 05
ACETOPHENONE ANILINE	SW8270	0.23	1.15
ANTHRACENE, SOIL	SW8270 SW8270	0.42 0.02	2.1
BENZIDINE	SW8270	5.52	.1 27.6
BENZO(A)ANTHRACENE	SW8270	0.01	.05
BENZO(A)PYRENE	SW8270	0.01	.05
BENZO(B)FLUORANTHENE,S	SW8270	0.03	.15
BENZO(G,H,I,)PERYLENE	SW8270	0.04	. 2
BENZO(K)FLUORANTHENE BENZOIC ACID	SW8270	0.06	.3_
BENZYL ALCOHOL	SW8270 SW8270	$\begin{smallmatrix}0.11\\0.02\end{smallmatrix}$. 55
BIS(2-CHLOROETHOXY)METHANE	SW8270	7.93	.1 39.65
BIS(2-CHL'ISOPROPYL) ETHER	SW8270	0.04	.2
BIS(2-CHLOROETHYL)ETHER	SW8270	0.01	.05
BIS(2-ETHYLHEXYL)PHTHALATE	SW8270	0.10	.5
BUTYL BENZYL PHTHALATE	SW8270	0.07	.35
CHRYSENE DI-N-OCTYLPHTHALATE	SW8270	0.10	. 5
DI-N-BUTYLPHTHALATE	SW8270 SW8270	0.16	.8
DIBENZ(A,J)ACRIDINE	SW8270	0.06 2.60	.3 13
DIBENZO(A,H)ANTHRACENE	SW8270	0.05	. 25
DIBENZOFURAN	SW8270	0.01	.05
DIETHYLPHTHALATE	SW8270	0.06	.3
DIMETHYLPHTHALATE	SW8270	0.03	.15
DIPHENYLAMINE	SW8270	0.28	1.4
ETHYL METHANESULFONATE FLUORANTHENE	SW8270	0.52	2.6
FLUORENE	SW8270	0.05	. 25
HEXACHLOROBENZENE	SW8270 SW8270	0.03 0.03	.15 .15
HEXACHLOROBUTADIENE	SW8270	0.03	.15
		5 · 5 -	• 1

TABLE D-2B. Analytical Methodologies, Detection Limits, and Practical Quantitation Limits for Plant 78 - Soil Samples

Parameter	Method	Detection Limit (mg/kg)	Practical Quantitation Limits (mg/kg)
	11001104	(1116) 116)	(mg/kg/
SEMIVOLATILES (Continued)			
HEXACHLOROCYCLOPENTADIENE	SW8270	0.06	.3
HEXACHLOROETHANE	SW8270	0.01	. 05
INDENO(1,2,3-CD)PYRENE	SW8270	0.05	. 25
ISOPHORONE	SW8270	0.01	. 05
METHYL METHANESULFONATE	SW8270	0.45	2.25
N-NITROSODI-N-PROPYLAMINE	SW8270	0.05	. 25
N-NITROSODIPHE'AMINE	SW8270	0.02	.1
N-NITROSODIMETHYLAMINE	SW8270	0.48	2.4
N-NITROSOPIPERIDINE	SW8270	1.04	5.2
N-NITRSO-DI-N-BUTYLAMINE NAPHTHALENE	SW8270	0.58	2.9
NITROBENZENE	SW8270 SW8270	0.01	. 05
P-DIMETHYLAMINOBENZENE	SW8270	0.04 0.24	. 2
PENTACHLOROBENZENE	SW8270	0.36	1.2 1.8
PENTACHLORONITROBENZENE	SW8270	1.32	6.6
PENTACHLOROPHENOL	SW8270	0.06	.3
PHENACETIN	SW8270	1.48	7.4
PHENANTHRENE	SW8270	0.02	.i
PHENOL	SW8270	0.03	.15
PRONAMIDE	SW8270	0.7	3.5
PYRENE	SW8270	0.06	.3
PURGEABLE HALOCARBONS			
1,1,1,2-TETRACHLOROETHANE	SW8010	1.0489	5.2445
l,1,1-TRICHLOROETHANE	SW8010	0.042	0.21
l,1,2,2-TETRACHLOROETHANE	SW8010	0.042	0.21
1,1,2- TRICHLOROETHANE	SW8010	0.021	0.105
1,1 DICHLOROETHANE	SW8010	0.0839	0.4195
l,1-DICHLOROETHENE	SW8010	0.1468	0.734
l,2,-DICHLOROPROPANE	SW8010	0.042	0.21
l,2-DICHLOROETHANE L-CHLOROHEXANE	SW8010	0.042	0.21
2-CHLOROHEXANE 2-CHLOROETHYLVINYL ETHER	SW8010	1.0489	5.2445
BROMOBENZENE	SW8010 SW8010	0.1468 1.0489	0.734
BROMODICHLOROMETHANE	SW8010	0.1049	5.2445
BROMOFORM	SW8010	0.1049	0.5245 1.049
CARBON TETRACHLORIDE	SW8010	0.1259	0.6295
CHLOROBENZENE	SW8010	0.2517	1.2585
CHLOROETHANE	SW8010	0.6293	3.1465
CHLOROFORM	SW8010	0.042	0.21
CIS-1,3-DICHLOROPROPENE	SW8010	0.4195	2.0975
DIBROMOCHLOROMETHANE	SW8010	0.1049	0.5245
DIBROMOETHANE	SW8010	1.0489	5.2445
DICHLOROBENZENE, TOT.	SW8010	0.944	4.72
DICHLOROBENZENE, TOT.	SW8010	0.4195	2.0975
DICHLORODIFLUOROMETHANE METHYL BROMIDE	SW8010	1.888	9.44
METHYLCHLORIDE	SW8010	1.2586	6.293
	SW8010	0.0005 0.4195	0.0025
71 P. I PE Y I. P. SUCP. C. PE I C. SP. I D. G.		11 / 145	
METHYLENE CHLORIDE FETRACHLOROETHYLENE	SW8010 SW8010	0.042	2.0975 0.21

TABLE D-2B. Analytical Methodologies, Detection Limits, and Practical Quantitation Limits for Plant 78 - Soil Samples

Parameter	Method	Detection Limit (mg/kg)	Practical Quantitation Limits (mg/kg)
DUDGEARLE HALOGARRONG (G			44.4
PURGEABLE HALOCARBONS (Continued)			
TRICHLOROETHYLENE TRICHLOROFLUOROMETHANE TRICHLOROPROPANE T-1,3-DICHLOROPROPENE VINYL CHLORIDE	SW8010 SW8010 SW8010 SW8010 SW8010	0.1259 1.0489 1.0489 0.4195 0.0881	0.6295 5.2445 5.2445 2.0975 0.4405
PURGEABLE AROMATICS			
BENZENE BROMOBENZENE CHLOROBENZENE ETHYLBENZENE TOLUENE XYLENES, TOTAL	SW8020 SW8020 SW8020 SW8020 SW8020 SW8020	0.1468 1.0489 0.2098 0.2098 0.2098 0.4195	0.734 5.2445 1.049 1.049 2.0975
EPTOX			
2,4,5-TP/SILVEX 2,4-D BHC,G(LINDANE) CHLORDANE ENDRIN HEPTACHLOR MERCURY,TOTAL METHOXYCHLOR TOXAPHENE	SW1310 SW1310 SW1310 SW1310 SW1310 SW1310 SW1310 SW1310	0.021 0.0819 *0.0105 *0.021 *0.021 **0.005 *0.21 *2.1005	0.105 0.4095 *0.0525 *0.105 *0.105 *0.105 **0.0025 *1.05 *10.5025

^{*}These units are in terms of ug/l.
**These units are in term of mg/l.

Analytical Data

	34488	Η	FC11	7/9n		<5.00	<5.00	(5.00	(5.00	(5.00	(5.00	(5.00	(5.00	(5.00	(5.00
	34423	ΗA	HENCE	1/9 n		<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	4.09
	34668	_	2			65.00	< 9.00	<9.00	6>.00	<9.00	6>.00	6>.00	<9.00	<9.00	69.00
	34311	HA	CLEA	7/9N		<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00
	39175	H	MVC	7/9n		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
	34413	Ϋ́	BROMMTH	7/9n		00.9 >	00.9 >	00.9 >	<6.00	6.00	6.00	6.00	00.9 >	6.00	00.9>
	34418	H	CHLORMTH	7/9N		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
	81524	<u>-</u>	DCBZ (1/9 0		<4.50	<4.50	<4.50	<4.50	<4.50	<4.50	<4.50	<4.50	<4.50	<4.50
	81551	<u>-</u>	XYL	7/9n		<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
	99634	٦	BRBZ	7/9n		<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
2-90	34371	₹	· EBZ	7/9n		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
PLANT 78 3-5-90 BOB CHESSON	34301	<u>-</u>	CLBZ	7/9n		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	\ \.	<1.00
VAME 1ANAGER	34010	<u>-</u>	BZME	1/9N		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
PROJECT P	34030	<u>-</u>	82	7/9N		<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70
PROJECT NUMBER FIELD GROUP BCSW3	T CODE:	D CODE:	PARAMETER:	••	RP. # SAMPLE 10 DATE TIME	3 BCSW3-3 03/09/90	SW3 4 BCSW3-4 03/09/90 08:25	5 BCSW3-5 03/09/90	6 BCSW3-6 03/08/90	7 BCSW3-7 03/08/90	8 BCSW3-8 03/08/90	9 BCSW3-9 03/08/90	10 BCSW3-10 03/08/90	11BCSW3-DUPE 03/09/90	14 TRPBLK 03/02/90
	STORE	METHO	PARAM	UNITS:	FLD.G	80	28	BC	BC	BC	BC	B	ဗ္ဗ		BCSM3

	32105 HA	DBCME	7/90	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	39180 HA	TCE	U6/L	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600
	34511 HA	TCA112	7 /90	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
	34699 HA	DCP 13T	06/ L	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
	34541 HA	DCP 12	7 /90 L	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200
	32101 HA	BDCME	7/90	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	32102 HA	CTCL	190/L	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0,600
	34506 HA	TCA111	06/L	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200
	81522 HA	DEMA	1/90	6.00	6.00	6.00	6.00	6.00	6.00	00.9 >	00.9 >	6.00	6.00
	34531 HA	DCA 12	06/L	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200
5-90	32106 HA	TCLME	7/90	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200
F NAME PLANT 78 3-5-90 MANAGER BOB CHESSON	34546 HA	DCE 12T	06/L	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
PROJECT NAME PROJECT MANAGER B	34496 HA	DCA11	06/L	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
PROJECT PROJECT	34501 HA	DCE 1.1					<0.700					-	-
PROJECT NUMBER FIELD GROUP BCSW3	.:: :::		# SAMPLE ID DATE TIME	3 BCSW3-3 03/09/90 08:45	4 BCSW3-4 03/09/90 08:25	5 BCSW3-5 03/09/90 07:15	6 BCSW3-6 03/08/90 17:10	7 BCSW3-7 03/08/90 11:30	8 BCSW3-8 03/08/90 13:30	9 BCSW3-9 03/08/90 14:50	10 BCSW3-10 03/08/90 16:15	11BCSW3-DUPE 03/09/90 07:15	14 TRPBLK 03/02/90 17:00
whi	STORET CODE:	PARAMETER:	FLD.GRP.	BCSM3	BCSM3	BCSM3	BCSM3	BCSM3	BCSM3	BCSW3	BCSM3	BCSM3	BCSM3

	34200	ADMS	ACNPY	NG/L		<1.4	4.1.	41.4	4.1.4	41.4	41.4	<1.4	<1.4	<1.4 1.4	NRQ
	34205	ADMS	ACNP	NG/L		6.1>	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	NRO
	99388	DIR	/DROCARB	7/9N		<512	<512	<512	<512	<512	<512	<512	<512	<512	NRQ
		_	DCBZ HY			<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
	99634	HA	BRBZ	7/9N		< 2	< 5	< 2	\$	< 5	\$	< 5	\$\$	\$	< 2
	19776	НА	CLHX1	7/9n		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	34301	HA	CLBZ	7/9n		<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
	34516	HA	PCA	7/9N		<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
	34475	НА	PCE	N6/L		<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
	97758	HA	TCP	NG/L		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	77562	HA	PCA	ÚG/L		<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
OB CHESSON	32104	HA	TBME	7/9N		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
PROJECT MANAGER BOB CHESSON	34576	HA	CEVETH	7/9n		<0.700	<0.700	<0.700	<0.700	<0.700	<0.700	<0.700	<0.700	<0.700	<0.700
PROJECT	34704	НА	DCP 13C	7/9n		<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
FIELD GROUP BCSW3	CODE:	30DE:			SAMPLE ID DATE	BCSM3-3 03/09/90	BCSW3-4 03/09/90	BCSW3-5 03/09/90	BCSW3-6 03/08/90	BCSW3-7 03/08/90	3 8 BCSW3-8 03/08/90 13:30	BCSM3-9 03/08/90	BCSW3-10 03/08/90	BCSW3-DUPE 03/09/90	TRPBLK 03/02/90
	STORET (METHOD (PARAMETE	UNITS:	FLD.GRP.	BCSW	BCSW	BCSW	BCSM	BCSW	BCSM	BCSW	BCSM	BCSW	BCSM3 14

PROJECT NAME PLANT 78 3-5-90

PROJECT NUMBER

PROJECT NUMBER FIELD GROUP BCSW3	PROJECT PROJECT	PROJECT NAME PL PROJECT MANAGER BO	PLANT 78 3-5-90 BOB CHESSON	2-90											
T CODE: D CODE: ETER:	81553 ADMS ACPHN 11671	77089 ADMS AN ILINE	34220 ADMS ANTH AI	97693 ADMS MINOBPH4 UG/L	39120 ADMS BZD UG/L	34526 ADMS BZAA UG/L	34230 ADMS BZBF UG/L	34242 ADMS BZKF UG/L	34247 ADMS BZAP UG/L	34521 ADMS BZGH1P UG/L	77 147 ADMS BZLAL UG/L	77247 ADMS BENZOA UG/L	34292 ADMS BZBP UG/L	34273 ADMS BIS2CEE UG/L	
# SAMPLE 1D DATE	3	ı S								:	:	,	•		
3 BCSW3-3 03/09/90	<3.0	\$	1.1>	<5.0	<13	88.0>	<1.9	<2.4	<2.6	- :	<1.28	<6.23	45.1 (2)	0.5	
A BCSW3-4 03/09/90	<3.0	\$	-:->	<5.0	<13	<0.88	6.1>	<2.4	45.6		<1.28	<6.23	42.1	0.1.	
5 BCSU3-5 03/09/90	<3.0	\$	-:->	<5.0	<13	<0.88	<1.9	<2.4	45.6	-:->	<1.28	<6.23	<2. I	0.1.	
5 BCSH3-6 03/08/90	<3.0	; %		<5.0	<13	<0.88	<1.9	<2.4	<2.6	-:->	<1.28	<6.23	(2.1	0.15	
0 00/00/00 0 00/00/00 c	(3°D)	: \$		<5.0	<13	<0.88	<1.9	<2.4	<2.6		<1.28	<6.23	42. 1	۷ <u>۱</u> ۰۵	
8 BCCM3-8 03/08/90	<3.0 <3.0	; ₂		<5.0	<13	88.0>	6.1>	<2.4	<2.6	-:- -:-	<1.28	<6.23	42.1	<1.0 .:	
00/00/00 0-011000 0	7	: \$	\ - - -	<5.0	<13	<0.88	<1.9	<2.4	<2.6	-:->	<1.28	<6.23	<2.1	<1.0	
06/80/60 6-6M600 6	0.60	; \$		< 5. 0	<13	<0.88	<1.9	<2.4	<2.6	<u>></u>	<1.28	<6.23	<2.1	۷۱.0 دا.0	
118CSW3-DHPF 03/09/90	<3.0 <3.0	\$	<u>-</u>	<5.0	<13	<0.88	<1.9	<2.4	45.6	-:	<1.28	6.23	(2. l	0.17	
SW3 14 TRPBLK 03/02/90 17:00	NRQ	NRQ	NRQ	NRO	NRQ	NRQ	NRO	NRO	NRO	NRQ O	NRQ	NKO	Z Z Z	Z K K	

	81302	ADMS	DBF	UG/L		<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	NRQ
	34556	ADMS	DBAHA	ng/r		<0.0>	<0.0>	<0.0>	<0.0>	<0.90	06.0>	<0.0>	<0.90	<0.90	NRQ
	97695	ADMS	DBAJA	7/9N		<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	NRQ
	34320	ADMS	CHRYSENE	7/90		<1.4 4.1.4	<1.4 4.1.4	<1.4	4.1.	4.1.	<1.4	41.4	<1.4 4.1.4	4.17	NRQ
٠			CPPE4 C			<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	NRQ
	34452	ADMS	C3NP4	7/9n		<1.6	<1.6	¢1.6	<1.6	41.6	<1.6	41.6	41.6	9:1>	NRQ
	34586	ADMS	CLPH2	7/9N		<u></u>	-:>	-:->	<u></u>	- 	-:->	-:->	</td <td>-:-></td> <td>NRQ</td>	-:->	NRQ
	34581	ADMS	CLNPH2	7/9n		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	NRO
	97694	ADMS	CLNPH1	1/9n		<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	NRQ
	99075	ADMS	CLAN 1 L4	7/9N		<1.68	<1.68	<1.68	<1.68	<1.68	<1.68	<1.68	<1.68	<1.68	NRQ
	34636	ADMS	BPPE4	7/90		<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	NRO
PROJECT MANAGER BOB CHESSON	34283	ADMS	BISZCIE	7/9N		<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	NRQ
MANAGER BC	39100	ADMS	B I S2EHP	7/9n		2.4	<2.0	<2.0	<2.0 <2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NRQ
PROJECT	34278	ADMS	BISSCEM	7/90		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	NRQ
FIELD GROUP BCSW3	DE:	DE:			# SAMPLE ID DATE	3 BCSW3-3 03/09/90 08:45	4 BCSW3-4 03/09/90	5 BCSW3-5 03/09/90	6 BCSM3-6 03/08/90	7 BCSW3-7 03/08/90	8 BCSW3-8 03/08/90	9 BCSW3-9 03/08/90	0 BCSW3-10 03/08/90	1BCSW3-DUPE 03/09/90	4 TRPBLK 03/02/90
	STORET CO	METHOD CODE:	PARAMETER:	UNITS:	FLD.GRP.	BCSW3	BCSW3	BCSW3	BCSM3	BCSM3	BCSM3	BCSM3	BCSM3	BCSM3	BCSM3

	341	SMC	DMPH	3/1		5.6	2.6	5.6	5.6	<2.6	5.6	9:0	9.6	9:0	4RQ	
	34	AI	0	ĭ		♡	Ÿ	♡	♡	**	♡	♡	♡	♡	~	
	97711	ADMS	DN46M	7/9N		<2.40	<2.40	<2.40	<2.40	<2.40	<2.40	<2.40	<2.40	<2.40	NRQ	
	34606	ADMS	DMP24	7/90		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NRQ	
	86926	ADMS	MPEA! 1	7/90		<1.52	<1.52	<1.52	<1.52	<1.52	<1.52	<1.52	<1.52	<1.52	NRQ	
	6976	ADMS	MBAAN712	7/90		<2.78	<2.78	<2.78	<2.78	<2.78	<2.78	<2.78	<2.78	<2.78	NRQ	
	94926	ADMS	PDMAABZ DI	7/9N		<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	NRQ	
	34336	ADMS	DEPH	7/9n		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	NRQ	
	77541	ADMS	DCP26	7/9n		<1.28	<1.28	<1.28	<1.28	<1.28	<1.28	<1.28	<1.28	<1.28	NRQ	
	34601	ADMS	DCP24	N6/L		<1.4	<1.4	41.4	41.4	41.4	41.4	<1.4	41.4	4.1 >	NRQ	
	34631	ADMS	DCBZD33	7/9n		41.6	<1.6	<1.6	¢1.6	¢1.6	¢1.6	41.6	<1.6	<1.6	NRQ	
06-9	34571	ADMS	DCBZ14	,00/L		<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	NRQ	
PROJECT NAME PLANI 78 3-5-90 PROJECT MANAGER BOB CHESSON	34536	ADMS	DCBZ12	UG/L		<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	NRQ	
NAME MANAGER B	34566	ADMS	DCBZ13	7/9n		<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	NRQ	
PROJECT	39110	ADMS	D-N-BUPH	7/9n		<1.5										
PROJECI NUMBER FIELD GROUP BCSW3	DE:	306:	3;		# SAMPLE ID DATE TIME	3 BCSW3-3 03/09/90 08:45	4 BCSW3-4 03/09/90 08:25	5 BCSW3-5 03/09/90 07:15	6 BCSW3-6 03/08/90 17:10	7 BCSW3-7 03/08/90 11:30	8 BCSW3-8 03/08/90 13:30	9 BCSW3-9 03/08/90 14:50	10 BCSW3-10 03/08/90 16:15	11BCSW3-DUPE 03/09/90 07:15	14 TRPBLK 03/02/90 17:00	
	STORET CODE:	METHOD CO	PARAMETE	UNITS:	FLD.GRP.	BCSM3	BCSM3	BCSW3								

	34403 ADMS NP 123	7/9n	41.4	<1.4	<1.4	41.4	<1.4	<1.4	<1.4	<1.4	<1.4 <1.4	NRQ
	34396 ADMS HCLEA	1/9n	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	NRQ
	34386 ADMS HCCP	7/9n	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	N RQ
	34391 ADMS HCBU	7/9n	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	NRQ
	39700 ADMS HCLBZ	NG/L	41.4	4. 4	<1.4 4.1.4	<1.4 4.1.4	<1.4 -	4.1 >	4.1.	<1.4	<1.4 4.1.4	NRQ
	34381 ADMS LUORENE	7/9n	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	NRQ
	34376 ADMS FLA F	7/9n	<1.6	<u>۱۰</u>	<1.6	9.1>	<1.6	<1.6	<u>۱۰</u>	9.1>	41.6	NRQ
	97699 ADMS EMSULFN	7/9n	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	NRQ
	34596 ADMS DNOP	7/9n	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NRQ
	34346 ADMS DIP12	7/9n	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NRQ
06-9	77579 ADMS DPA	7/9n	<3.84	<3.84	<3.84	<3.84	<3.84	<3.84	<3.84	<3.84	<3.84	NRQ
NAME PLANT 78 3-5-90 MANAGER BOB CHESSON	34626 ADMS 26DNT	7/9n	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	NRQ
JAME SANAGER	34611 ADMS DNT24	7/9n	 >	-:->	-:->	-:->	-:>			-:->	-:->	NRQ
PROJECT P	34616 ADMS DNP24	7/9n	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	NRQ
PROJECT NUMBER FIELD GROUP BCSM3	STORET CODE: METHOD CODE: PARAMETER:	JNITS: "LD.GRP. # SAMPLE {D DATE TIME	3 BCSW3-3 03/09/90	4 BCSW3-4 03/09/90	5 BCSM3-5 03/09/90	6 BCSM3-6 03/08/90	7 BCSW3-7 03/08/90	8 BCSW3-8 03/08/90	9 BCSM3-9 03/08/90	BCSW3 10 BCSW3-10 03/08/90 16:15	11BCSW3-DUPE 03/09/90	14 TRPBLK 03/02/90

		MS ADMS													RQ NRQ
	_	ADMS ADMS					<2.72 <0.								NRQ NRQ
		ADMS ADMS	z				<1.78 <2								
		ADMS	_			<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	NRQ
	97703	ADMS	11 NONAPH2	1/90	•	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	NRQ
		ADMS	Ξ			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NRQ
	34696	ADMS	NAPHAM	UG/L		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	NRQ
	77416	ADMS	MTNPH2	UG/L	!	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	NRQ
	10776	ADMS	MMSULFN	UG/L	•	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	NRQ
-5-90	97700	ADMS	MECHL AN3	J/90		<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	NRQ
PLANT 78 3-5-90 BOB CHESSON	99074	ADMS	4MEPH	7/9n		<3.89	<3.89	<3.89	<3.89	<3.89	<3.89	<3.89	<3.89	<3.89	NRQ
PROJECT NAME PROJECT MANAGER E	99073	ADMS	MEPH2	7/90		<1.28	<1.28	<1.28	<1.28	<1.28	<1.28	<1.28	<1.28	<1.28	NRQ
PROJEC PROJEC	34408	ADMS	ISOP	UG/L		<0.91	(0.91	(0.91	<0.91	<0.91	(0.91	<0.91	<0.91	<0.91	NRQ
PROJECT NUMBER FIELD GROUP BCSW3					SAMPLE ID DATE TIME	BCSW3-3 03/09/90	BCSW3-4 03/09/90 08:25	BCSM3-5 03/09/90	BCSM3-6 03/08/90	BCSM3-7 03/08/90	BCSM3-8 03/08/90	BCSM3-9 03/08/90	BCSW3-10 03/08/90	3CSW3-DUPE 03/09/90	TRPBLK 03/02/90
E -	STORET CODE:	METHOD CODE:	PARAMETER:	UNITS:	FLD.GRP. #	BCSM3 3	BCSW3 4	BCSM3 5	BCSM3 6	BCSM3 7	BCSM3 8	BCSM3 6	BCSM3 10	BCSM3 11	BCSW3 14

	97709 ADMS	7/9n	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NRQ
	97708 ADMS PIC2	1/90	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	NRQ
	34694 ADMS TPHFN	7/90	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	NRQ
	34461 ADMS PHAN	UG/L	<0.96	40.96	96.0>	96.0>	96.0>	96.0>	96.0>	<0.96	96.0>	NRQ
	97707 ADMS PHNACTN	7/90	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	NRQ
	97706 ADMS FCI NO287	7/90	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	NRQ
	97705 ADMS PECLB7 PE		<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	NRO
	39032 ADMS PCP	T/9n	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	NRQ
	34433 ADMS NNSPH	7/9n	-:-	-:-	-:->	<u>></u>	-:->	-:-		<u></u>	>	NRQ
	34428 ADMS NTSPRN	7/9n	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	NRQ
-90	34438 ADMS NNSM	7/9n	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	NRQ
PLANT 78 3-5-90 BOB CHESSON	97715 ADMS NTSBN	7/9n	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	NRQ
NAME PL	34646 ADMS 4NTPH	N6/L	<2.6	45.6	45.6	42.6	<2.6	<2.6	<2.6	<2.6	<2.6	NRQ
PROJECT PROJECT	34591 ADMS NTPH2	1/9 0	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	NRQ
PROJECT NUMBER FIELD GROUP BCSN3		# SAMPLE ID DATE TIME	BCSW3-3 03/09/90 08:45	BCSW3-4 03/09/90 08:25	BCSW3-5 03/09/90 07:15	BCSW3-6 03/08/90 17:10	BCSW3-7 03/08/90 11:30	BCSW3-8 03/08/90 13:30	BCSW3-9 03/08/90 14:50	BCSW3-10 03/08/90 16:15	1BCSW3-DUPE 03/09/90 07:15	TRPBLK 03/02/90 17:00
PRO F1E	STORET CODE: METHOD CODE: PARAMETER:	UNITS: #	m	BCSM3 4	BCSW3 5	BCSW3 6	BCSM3 7	BCSM3 8	BCSM3 6	BCSW3 10	_	BCSW3 14

	34621	ADMS	TCP246	UG/L	:	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5 -	<1.5	<1.5	<1.5	NRQ
	77687	ADMS	TCP245	7/9N		~	<u>_</u>	<u>~</u>	\(\)	=	~	⊽	₽	<u>~</u>	NRQ
96-90	97209	ADMS	2346CP	7/9n		-	-:->	-:->	-:->	-:-	-:->	-:->	-:->	-:->	NRQ
LANT 78 3-5-90 10B CHESSON	34551	ADMS	TCB 124	7/9N		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	NRQ
NAME PI	97710	ADMS	TCB 1	7/9n		41.4	4.1.	<1.4	4.1>	4.1.	41.4	۲.۱. ۲.۱.	</td <td><1.4 41.4</td> <td>NRQ</td>	<1.4 41.4	NRQ
PROJECT PROJECT	34469	ADMS	PYR	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NRQ
PROJECT NUMBER FIELD GROUP BCSW3	CODE:	00E:			# SAMPLE ID DATE	3 BCSM3-3 03/09/90	4 BCSW3-4 03/09/90	5 BCSW3-5 03/09/90	6 BCSW3-6 03/08/90	7 BCSW3-7 03/08/90	8 BCSW3-8 03/08/90	9 BCSW3-9 03/08/90	0 RCSW3-10 03/08/90	18/50/20 20 18/06/30	TRPBLK C
	STORET CO	METHOD CO	PARAMETER:	UNITS:	FLD.GRP.	BCSM3	BCS113	BCSH3	BCSH3	BCSW3	BCSM3	BCS II 3	BCCE3	STOOD O	BCSW3

	44491 ADHA ADHA FETHA 5-DRY 11340 11310 11310 11240 11230 11230 11230 NRQ
	34491 ADHA ADHA TCFMETHA MG/KG-DRY (1340 (1190 (1230 (1230 (1230) (1230) (1230) (1230)
	34426 ADHA ADHA MG/KG-DRY (535 (476 (522 (492 (492 (492 (492 (492 (492 (492 (4
	34314 ADHA CLETHA 46/KG-DRY (714 (778 (774 (778 (877 (877 (738 (738 (738 (738 (738
	34495 ADHA VC VC-DRY MG 488.3 <78.6 <86.2 <82.0 <71.7 <96.5 <81.2 <81.2 <81.2 <91.5 NRQ
	34334 ADHA ADHA MG/KG-DRY P (2210 (2350 (2240 (2220 (2200 (200 (
	3416 ADHA ADHA BETHYL BRODC 41300 (1200 (1
	34421 ADHA HECLRIDEME 4G/KG-DRY M (107 (95.3 (104 (99.4 (86.9 (117 (98.5 (117 (98.5 (117 (98.5 (117 (98.5
	98578 ADP1 DCB, T MG/KG-DRY M <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <1120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <120 <1
	45510 ADP 1 YLENES.TO MG/KG-DRY P <535 <476 <497 <497 <492 <492 <492 <492 <492 <492 <492 <492
	97036 ADP1 BRBZXY MG/KG-DRY P <11340 <11310 <1230 <1230 <1230 <1230 <1230 <1330 NRQ
2-90	
NAME PLANT 78 3-5-90 MANAGER BOB CHESSON	34304 ADP I CBZ CBZ CBZ (267 (238 (249 (217 (292 (246 (246 (277 NRQ
PROJECT NAME PROJECT MANAGER I	34483 ADP 1 TOLUENE 1G/KG-DRY 1 (267 (217 (229 (246 (246 (246 (246 (246 (277 NRQ
PROJEC- PROJEC-	34237 34483 34304 34374 ADP1 ADP1 ADP1 BZ BZ TOLUENE CBZ EBZ MG/KG-DRY MG/KG-DRY MG/KG-DRY <187 <267 <267 <267 <267 <267 <174 <249 <249 <217 <215 <205 <205 <205 <205 <205 <207 <217 <218 <218 <218 <218 <218 <217 <218 <217 <218 <217 <218 <217 <218 <218 <218 <217 <217 <218 <217 <217 <218 <218 <217 <217 <217 <218 <217 <217 <217 <217 <217 <217 <217 <217
PROJECT NUMBER FIELD GROUP BCSS3	: SAMPLE 1D DATE TIME BCSM3-3 03/09/90 08:45 8 CSM3-4 03/09/90 08:45 8 CSM3-6 03/09/90 07:15 8 CSM3-7 03/08/90 17:10 8 CSM3-9 03/08/90 17:10 8 CSM3-9 03/08/90 13:30 8 CSM3-9 03/08/90 13:30 8 CSM3-10 03/08/90 14:50 0 BCSM3-10 03/08/90 16:15 1BCSM3-DUPE 03/09/90 07:15 3 TRPBLK 03/02/90 17:00
84.1	STORET CODE: PETHOD CODE: PARAMETER: UNITS: FLD.GRP. # BCSS3 4 BCSS3 5 BCSS3 6 BCSS3 6 BCSS3 7 BCSS3 7 BCSS3 7 BCSS3 13 BCSS3 13 BCSS3 11

	34702 ADHA DCPRO G-DRY (535 (435 (585 (585 (585 (584 NRQ
	34309 34702 ADHA ADHA ADHA CADHA CADHA MG/KG-DRY CADHA MG/KG-DRY CADHA CADHA CADHA CADHA
	34487 ADHA TCET DBRC TCET DBRC/N (143 (157 (149 (175 (175 (148 (148 (148 (148 (166 NRQ
	In
	3454 34697 ADHA ADHA 12DCLPRT-13DCPROP MG/KG-DRY MG/KG-DRY (53.5 (53.5 (476 (52.2 (49.7 (49.7 (49.7 (49.7 (49.7 (49.2 (49
	34299 34330 ADHA ADHA CTCLIDEBRDCLMETHA MG/KG-DRY MG/KG-DRY <160 <134 <143 <119 <157 <131 <149 <124 <136 <139 <175 <148 <175 <148 <188 <123 <166 <139 NRQ NRQ
	34509 ADHA 111TCETHA MG/KG-DRY (53.5 (47.6 (52.2 (49.7 (43.5 (49.2
	78756 ADHA 12DCETHA MG/KG-DRY (1340 (1190 (1190 (1230 (1230 (1230 (1230 (1230 (1230 (1230
	34534 ADHA 12DCETHA 16/KG-DRY MG/KG-DRY (48 (43 (58 (49 (49 (49 (49 (49 (49 (49 (49 (49 (49
1-5-90 N	34318 ADHA MG/KG-DRY MG/KG-DRY (53 (52 (50 (54 (54 (49 (49 (49 (49 (49 (49 (49
PROJECT NAME PLANT 78 3-5-90 PROJECT MANAGER BOB CHESSON	34549 343 ADHA ADHA T-12DCETCHLOROFOG MG/KG-DRY MG/KG-DF <134 <
	34499 34549 34318 ADHA ADHA ADHA LIDDCETHA T-12DCETCHLOROFORM MG/KG-DRY MG/KG-DRY MG/KG-DRY C53 C107 C134 C53 C404 C131 C53 C404 C109 C48 C404 C109 C58 C404 C109 C58 C405 C109 C58 C406 C109 C58 C417 C46 C411 C139 C55 C411 C139 C55 C411 C139 C55 C411 C139 C55
PROJEC PROJEC	34504 ADHA 11DCE1 11DCE-DRY (187 (187 (187 (174 (175 (175 (175 (175 (175 (175 (175 (175
BCSS3	AMPLE 1D DATE TIME BCSW3-3 03/09/90 08:45 BCSW3-4 03/09/90 08:25 BCSW3-5 03/09/90 07:15 BCSW3-6 03/08/90 17:10 BCSW3-8 03/08/90 13:30 BCSW3-9 03/08/90 14:50 BCSW3-10 03/08/90 16:15 SW3-DUPE 03/09/90 07:15
PROJECT NUMBER FIELD GROUP BCS	# SAMPLE 1D DATE
PROJEC' FIELD (CODE:: CO
	STORET CODE: METHOD CODE: PARAMETER: UNITS: FLD.6R: BCSS3

	99451 ADMS ACNPY MG/KG-DRY	<130	<140	<130	<130	<120	<140	<130	<130	<130	NRQ
	99450 ADMS ACNP ACNP ACNP		<190	<180	<180	<170	<200	<180	<190	< 180	NRQ
	98233 AD PHC PKG-DRY M	<27.3	<20.9	<28.0	<25.6	<15.7	<24.6	<22.1	<26.0	<13.7	NRQ
	98578 ADHA DCB, T		4476	<522	<497	<435	<585	<492	<492	<554	NRQ
	97036 ADHA BRBZ MG/KG-DRY MG/	<1340	<1190	<1310	<1240	<1090	<1460	<1230	<1230	<1390	NRQ
	97039 ADHA CLHEX	<1340	<1190	<1310	<1240	<1090	<1460	<1230	<1230	<1390	NRQ
	34304 ADHA CLBZ IG/KG-DRY MG/K	(321	<286	<313	<298	<261	<351	<295	<295	<333	NRQ
	34478 ADHA TCLET		<286	<313	<298	<261	<351	<295	<295	<333	NRQ
	34519 ADHA 22TCLETH G/KG-DRY M	<53.5	<47.6	<52.2	<49.7	<43.5	<58.5	<49.2	<49.2	<55.4	NRQ
	97043 ADHA TCLPRII	<1340	<1190	<1310	<1240	<1090	<1460	<1230	<1230	<1390	NRQ
-5-90 N	97042 ADHA 112TCLETH 46/KG-DRY	<1340	<1190	<1310	<1240	<1090	<1460	<1230	<1230	<1390	NRQ
PLANT 78 3-5-90 BOB CHESSON	34579 34290 9704 ADHA ADHA ADH 2CLVE BROMOFORM 112TCLET M6./KG-DRY M6./KG-DRY M6./KG-DRY	<267	<238	<261	<249	<217	<292	<246	<246	<277	NRQ
VAME TANAGER	34579 ADHA 2CLVE E	<187	<167	<183	<174	<152	<205	<172	<172	<194	NRQ
PROJECT PROJECT P	34514 ADHA 12TCLETHA MG/KG-DBY	<40.1	<35.7	<39.2	<37.3	<32.6	<43.9	<36.9	<36.9	<41.6	NRQ
	_	TIME 08:45	08:25	07:15	17:10	11:30	13:30	14:50	16:15	07:15	17:00
BCSS3		MPLE 1D DATE TIME BCSW3-3 03/09/90 08:45	BCSW3-4 03/09/90	06/60	BCSW3-6 03/08/90	BCSW3-7 03/08/90	BCSW3-8 03/08/90 13:30	BCSW3-9 03/08/90 14:50	BCSW3-10 03/08/90 16:15	06/60	TRPBLK 03/02/90
		1D -3 03/	-4 03/	BCSW3-5 03/09/90	-6 03/	-7 03/	-8 03/	-9 03/	10 03/	PE 03/	LK 03/
PROJECT NUMBER FIELD GROUP		# SAMPLE ID 3 BCSW3-3	BCSM3	BCSM3	BCSW3	BCSM3	BCSM3	BCSM3	BCSW3-	1BCSW3-DUPE 03/09/90	TRPB
PROJ F I EL	00E: 30E: 3:	# M	4	Ŋ	9	7	ထ	6	0		13
	STORET CODE METHOD CODE PARAMETER: UNITS:	FLD.GRP.	BCSS3	BCSS3	BCSS3	BCSS3	BCSS3	BCSS3	BCSS3	BCSS3	BCSS3

	99458 ADMS B1S2CEE IG/KG-DRY	86>	96 962 963	88 011>	<93	<96 NRQ
	99463 ADMS BZBP BI KG-DRY MG/K	<200 <210	<200 <200 <190	<180 <220	<190 <200	<200 NRQ
	97676 ADMS BENZOA KG-DRY MG/K	009>	<590 <580 <580	<540 <650	<570 <610	<590 NRQ
	97647 ADMS BZLAL B KG-DRY MG/K	<120	200 2120 2120	<110 <110 <130	<120 <120	<120 NRQ
	99691 ADMS BZGHIP 'KG-DRY MG/K	<100 <110	000	(\$) (\$110	96>	<100 NRQ
	99456 ADMS BZAP G-DRY MG,	<250 <250	<250 <240	<220 <270	<240 <250	<250 NRQ
	99455 ADMS BZKF MG/KG-DRY MG/K	<230 <240	(230 (220	<210 <250	<220 <230	<230 NRQ
	99454 ADMS BZBF /KG-DRY MG/k	<180 <190	081>	<160 <200	<170 <180	<180 NRQ
	99453 ADMS BZAA 16/KG-DRY MG/I	<85 <90	684 83 83	<76 <92	<81 <86	<84 NRQ
	97646 ADMS BZD MG/KG-DRY MG/	<1200 <1300	<1200 <1200 <1200	<1100 <1300	<1100 <1200	<1200 NRQ
06-		<480 <510	<480 <470	<430 <520	<460 <490	<480 NRQ
PLANT 78 3-5-90 BOB CHESSON	97644 99452 97645 ADMS ADMS ADMS ANILINE ANTH AMINOBPH4 MG/KG-DRY MG/KG-DRY	<100	0000	494	66 >	<100 NRQ
ρc	97644 ADMS ANILINE /KG-DRY MG	<150	(120 (120 (120	<140 <170	<150 <160	<150 NRQ
PROJECT NAME PROJECT MANAGE	97643 ADMS ACPHN MG/KG-DRY MG	<290 <310	<290 <280 <280	<260 <320	<280 <290	<290 NRQ
ñ	i 2 -	DAIL LIME 09/90 08:45 09/90 08:25	90 07:15	90 11:30	90 14:50 90 16:15	90 07:15 90 17:00
UMBER UP BCSS3		03/6			BCSW3-9 03/08/90 14:50 BCSW3-10 03/08/90 16:15	1BCSW3-DUPE 03/09/90 3 TRPBLK 03/02/90
PROJECT NUMBER FIELD GROUP	DE:	# SAMPLE 10 3 BCSM3-3 4 BCSM3-4	5 BCSW3-5 6 BCSW3-6	7 BCSW3-7 8 BCSW3-8	9 BCSW 10 BCSW3-	11BCSW3-DU
	STORET CODE METHOD CODE PARAMETER: UNITS:	BCSS3 BCSS3 BCSS3	BCSS3 BCSS3	BCSS3 BCSS3	BCSS3 BCSS3	BCSS3 BCSS3

	97651 ADMS DBF /KG-DRY	<130	<130	<120	<120	<110	<140	<120	<130	<120	NRQ
	99466 ADMS DBAHA MG/KG-DRY MG/	487	<92	98>	<85	<78	46	<83	88 >	98>	NRO
	97650 ADMS DBAJA MG/KG-DRY MG	<480	<510	<480	<470	<430	<520	<460	<490	<480	NRQ
	99690 ADMS CHRYSENE MG/KG-DRY N	<130	<140	<130	<130	<120	<140	<130	<130	<130	NRQ
	99465 ADMS CPPE4 1G/KG-DRY	<120	<120	01I>	<110	<100	<130	<110	<120	<110	NRQ
	99683 ADMS C3NP4 MG/KG-DRY N	<160	<160	<150	<150	<140	<170	<150	<160	<150	NRQ
	99497 ADMS CLPH2 MG/KG-DRY M	<110	<110	<110	<110	46	<120	<100	<110	<110	NRQ
	99464 ADMS CLNPH2 MG/KG-DRY P	<120	<130	<120	<120	<110	<130	<120	<120	<120	NRQ
	97649 ADMS ICLNAP 16/KG-DRY P	<130	<140	<130	<130	<120	<140	<130	<130	<130	NRQ
	97648 ADMS CLANIL4 MG/KG-DRY MI	<160	<170	09I>	<160	<150	<180	<150	<160	<160	NRQ
2-90	99462 ADMS BPPE4 MG/KG-DRY I	96>	<100	46 >	<93	98>	<100	16>	96>	46 >	NRQ
PROJECT NAME PLANT 78 3-5-90 PROJECT MANAGER BOB CHESSON	97547 ADMS BISZCIE MG/KG-DRY M	<160	<170	<160	<160	<140	<170	<150	<160	091>	NRQ
NAME MANAGER	99460 ADMS BISZEHP MG/KG-DRY I	<190	<200	<190	<190	<170	<210	<180	<190	<190	NRQ
PROJECT PROJECT	97493 ADMS BIS2CEM MG/KG-DRY M	<110	<120	<110	<110	<100	<120	<110	<110	<110	NRO
m	;	DAIL IME 19/90 08:45	90 08:25	90 07:15	9.0 17:10	90 11:30	90 13:30	90 14:50	90 16:15	90 07:15	90 17:00
SER BCSS3		03/0	BCSW3-4 03/09/90	BCSW3-5 03/09/90	BCSM3-6 03/08/90	BCSM3-7 03/08/90	BCSW3-8 03/08/90 13:30	BCSW3-9 03/08/90 14:50	BCSW3-10 03/08/90 16:15	03/09/	TRPBLK 03/02/90
PROJECT NUMBER FIELD GROUP		# SAMPLE 10 3 BCSW3-3	BCSM3-4	BCSM3-E	BCSW3-6	BCSM3-	BCSM3-8	BCSW3-5	BCSW3-10	1BCSW3-DUPE 03/09/90	TRPBLK
P. F.	000E	FLD.GRP. # BCSS3 3	BCSS3 4	BCSS3 5	BCSS3 6	BCSS3 7	BCSS3 8	BCSS3 9	BCSS3 10	BCSS3 111	BCSS3 13

	97678	ADMS	DN46M	G/KG-DRY	0	V230	<240	<230	<230	(2)ID	- 1	0675	<220	<230	<230	2	7	
	99473	ADMS	DMPH	/KG-DRY M		0525	<270	<250	<250	7230	0147	6270	<240	<250	<250	2	Z Z	
	99499	ADMS	DMP24	(G-DRY		4480	<510	<480	<470	7430	000	<520	<460	<490	<480		SHK SHK	
	71916	ADMS	DCP26	KG-DRY MG	;	<120	<130	<120	<120	117		<130	<120	<120	<120		O'HA	
	97654	ADMS	MPEAII	3/KG-DRY MC		<150	<150	<140	<140	/130	001/	0 9 1>	<140	<150	<140		NK C	
	97653	ADMS	MBAAN712	MG/KG-DRY M	į	<270	<280	<260	<260	7240	0477	<290	<260	<270	0962		NRO	
			PDMAABZ DI	G/KG-DRY M		<48 0	<510	<480	<470	2 7 7	V#30	<520	<460	<490	4480		NRQ	
	99472	ADMS	DEPH	G/KG-DRY M		<240	<260	<240	<240	0000	077	<260	<230	<250	7240	77	NRQ	
	99498	ADMS	DCP24	G/KG-DRY M		<140	<140	<140	<130		120	<150	<130	<140	7140		NRO	
	99471	ADMS	DCBZD33	G/KG-DRY M		<150	091>	<150	< 150		< 140	<170	<150	<160	7150		NRO	
2-90	99469	ADMS	DCBZ14	G/KG-DRY M		<340	(360	<330	(330	0000	310	<370	<320	<340	0767	250	NRQ	
PLANT 78 3-5-90 BOB CHESSON	99470	ADMS	DCBZ12	3/KG-DRY M		<370	<390	<370	0367	2000	<340	<400	<350	<380	0767	200	NRQ	
PROJECT NAME PLANT 78 3- PROJECT MANAGER BOB CHESSON	99468	ADMS	DCBZ13	3/KG-DRY M		<310	<320	<300	000	2000	<280	<330	<290	(310	0000	2000	NRQ	
PROJECT PROJECT	99467	ADMS	DNBP	MG/KG-DRY MG/KG-DRY MG/KG-DRY MG/KG-DRY		<150	<150	< 140	2 5) 	< 130	<160	<140	<150		2+/	NRQ	
PROJECT NUMBER FIELD GROUP BCSS3	. 3000	MITTOD CODE.	TFR.		P. # SAMPLE ID DATE TIME	~	V	000 00 00 00 00 00 00 00 00 00 00 00 00	n 、	٥	~	œ	σ	30 10 BCSH3-10 03/08/90 16:15	2 :	SSS BCSMS-DOPE US/09/90 U/: 15	3S3 13 TRPBLK 03/02/90 17:00	
	CTOBET	MITTOD	PARAMETER.	UNITS:	FLD.GRP	S S		, ,	3 6	SS R	BCS	N.O.	, , ,	200	<u> </u>	SS SS SS SS SS SS SS SS SS SS SS SS SS	BCSS3	

	99482 ADMS INP 123		<130	<140	<130	<130	<120	<140	<120	<130	<130	NRQ
	99480 ADMS HCLEA		<430	<450	<420	<420	<390	<470	<410	<430	<420	NRQ
	97657 ADMS HCCP		<200	<210	<190	<190	<180	<210	<190	<200	<200	NRQ
	99479 ADMS HCBU		<340	<360	<340	<330	<310	<370	<330	<340	<340	NRQ
	99478 ADMS HCLBZ	2	<130	<140	<130	<130	<120	<140	<130	<130	<130	NRQ
	99692 ADMS FL FL	2	<150	0 9 1>	<150	<140	<130	<160	<140	<150	<150	NRQ
	99689 ADMS FLA FLA		<160	<170	<160	<150	<140	<170	<150	<160	<160	NRO
	99476 ADMS DNOP MC/KC_DDV MC/		86>	<100	96>	<95	88>	01 I >	<93	86>	96>	NRQ
	97656 ADMS EMSULFN		<240	<250	<240	<230	<220	<260	<230	<240	<240	NRQ
	99477 ADMS DIP12			<510	•			•			•	
3-5-90 ON	99475 97655 ADMS ADMS DNT26 DPA			<390								
PROJECT NAME PLANT 78 3-5-90 PROJECT MANAGER BOB CHESSON	99475 ADMS DNT26			<170								
PROJECT NAME PROJECT MANAGER	99474 ADMS DNT24		•	<120	Ĭ	Ť		•	•	•	•	
PROJE PROJE	99695 ADMS DNP24			310								
BCSS3		DATE TIME	09/90 08:45	09/90 08:25	09/90 07:15	08/90 17:10	08/80 11:30	08/90 13:30	08/90 14:50	08/90 16:15		02/90 17:00
PROJECT NUMBER FIELD GROUP BG		# SAMPLE ID	BCSW3-3 03/09/90 (BCSW3-4 03/09/90	BCSW3-5 03/09/90	BCSM3-6 03/08/90	BCSW3-7 03/08/90	BCSW3-8 03/08/90 13:30	BCSW3-9 03/08/90 14:50	1/80 01-EMS;	IBCSW3-DUPE 03/09/90	TRPBLK 03/02/90
PROJEC FIELD	0DE:	# SAP	3	4 E	5	6 E	7 E	80	9 E	10	11BCSF	3
	STORET CODE METHOD CODE PARAMETER:	FLD.GRP.	BCSS3	BCSS3	BCSS3	BCSS3	BCSS3	BCSS3	BCSS3	BCSS3	BCSS3	

	97667 ADMS NNSPH KG-DRY	<100 <110	001>	<94 <110	66> (110	<100 NRQ
	₩6/	<u> </u>	. 0 0	00	00	00
	97666 ADMS NNSM MG/KG-DRY	<28 <29	<270 <270 <270	\$25 \$30	<26 <28 <28	<27 NR
	97665 ADMS NTSBN G/KG-DRY M	<120	<120 <110	<110 <130	<110 <120	<120 NRQ
	99485 ADMS NO3BZ G/KG-DRY M	(9) (96)	688	<82 <98	98> 691	<90 NRQ
	97664 ADMS NOZANIL4 MG/KG-DRY M	<260 <280	<260 <260 <260	<240 <280	<250 <260	<260 NRQ
	97663 ADMS NOZANIL3 MG/KG-DRY P	<170 <180	0/17 0/17	<150 <190	<160 <170	<170 NRQ
	97662 ADMS NOZAN IL2 3/KG-DRY	<100 <110	000	<93 <110	<98 <100	<100 NRQ
	97717 ADMS NONAPH2 /KG-DRY	<350 <370	<350 <340	<320 <380	<340 <360	<350 NRQ
	97661 ADMS IINONAPHIAN	<490 <510	<480 <470	<440 <530	<460 <490	<480 NRQ
	99696 97661 ADMS ADMS NAPHAMINONAPHIAMI MG/KG-DRY MG/KG-DRY MG	<290 <300	<280 <280	<2 6 0 <310	<270 <290	<280 NR0
-5-90	97660 ADMS MTNPH2 MG/KG-DRY P	<310 <320	300 300	<270 <330	<290 <310	<300 NRQ
LANT 78 3-	97659 ADMS MMSULFN MG/KG-DRY P	<180 <190	081>	<160 <200	<170 <180	<180 NRQ
PROJECT NAME PLANT 78 3-5-90 PROJECT MANAGER BOB CHESSON	97658 ADMS MECHLAN3 IG/KG-DRY M	<140 <150	<140 <140	<130 <150	<130 <140	<140 NRQ
PROJECT	99483 97658 ADMS ADMS ISOP MECHLAN3	<88 <93	<87 <85	<79 <95	<84 <89	<87 NRQ
PROJECT NUMBER FIELD GROUP BCSS3		# SANTLE ID DAIE INE 3 BCSW3-3 03/09/90 08:45 4 BCSW3-4 03/09/90 08:25	03/09/80	7 BCSW3-7 03/08/90 11:30 8 BCSW3-8 03/08/90 13:30	9 BCSW3-9 03/08/90 14:50 10 BCSW3-10 03/08/90 16:15	11BCSW3-DUPE 03/09/90 07:15 13 TRPBLK 03/02/90 17:00
	STORET CODE METHOD CODE PARAMETER: UNITS:	BCSS3 BCSS3 BCSS3	BCSS3 BCSS3	BCSS3 BCSS3	BCSS3 BCSS3	BCSS3 BCSS3

	99685 ADMS TPHEN 3/KG-DRY	<220 <230	<220 <220	<200 <240	<210 <220	<220 NRQ
	97674 ADMS PRONAMD IG/KG-DRY MC	<480 <510	<480 <470	<430 <520	<460 <490	<480 NRQ
	97673 ADMS P1C2? IG/KG-DRY M	<220 <230	<210 <210	<190 <230	<200 <220	<210 NRQ
	99489 ADMS PHAN MG/KG-DRY MG/	<93 <98	(90 (90	<83 <100	<88 <93	<91 NRQ
	99682 ADMS PCP MG/KG-DRY	<210 <220	<210 <210	<190 <230	<200 <210	<210 NRQ
	99487 ADMS NTSPRN MG/KG-DRY I	<120 <120	0 0 0	<100 <130	<110 <120	<110 NRQ
	99496 ADMS NTPH4 MG/KG-DRY	<250 <270	<250 <250	<230 <270	<240 <250	<250 NRQ
	99495 ADMS NTPH2 MG/KG-DRY	<70 <73	89>	<63 <75	666 470	<69 NRQ
	97680 ADMS MEPH4 MG/KG-DRY M	<380 <400	<370 <370	<340 <410	<380 <380	<370 NRQ
	97679 ADMS MEPH2 MG/KG-DRY	<120 <130	<120 <120 <120	<110 <130	<120 <120	<120 NRQ
3-5-90 N	97672 ADMS PHNACTN MG/KG-DRY	<150 <150	<140 <140	<130 <160	<140 <150	<140 NRQ
PLANT 78 3-5-90 BOB CHESSON		65 65 66	64 63	<58 <70	<62 <65	<64 NRQ
PROJECT NAME PROJECT MANAGER	MG/	<140 <150	<140 <140	<130 <150	<140 <140	<140 NRQ
PROJECT PROJECT	97669 ADMS NNSPPRD MG/KG-DRY		\$200 \$200	<180 <220	<190 . <200	
BCSS3				03/08/90 11:30 03/08/90 13:30		
BER	<u>.</u>	BCSW3-3 03/09/90 BCSW3-4 03/09/90		BCSW3-7 03/0 BCSW3-8 03/0	BCSW3-9 03/0 BCSW3-10 03/0	IBCSW3-DUPE 03/0 3 TRPBLK 03/0
PROJECT NUMI FIELD GROUP)E: 	# 6. 4 E 9. 90	СО О	8 A	9 BC	11BCSM:
	STORET CODE: METHOD CODE: PARAMETER: UNITS:	BCSS3 BCSS3 BCSS3	BCSS3 BCSS3	BCSS3 BCSS3	BCSS3 BCSS3	BCSS3 BCSS3

	34418 HA CHLORMTH	7/9n	NRO NRO	NRQ	NRQ	NRQ	NRQ	NRQ	NRO	NRQ	<0.400
	81524 P.I DCBZ CH		NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<4.50
	81551 P1 XYL	7/9n	NRQ NRQ	NRQ	NRO	NRQ	NRQ	NRQ	NRQ	NRQ	<2.00
	99634 P I BRBZ	1/9N	NRQ NRQ	NRQ	NRO	NRQ	NRQ	NRQ	NRQ	NRQ	<5.00
	34371 P1 EBZ	7/9n	N S	NRQ	NRQ	NRO	NRQ	NRQ	NRQ	NRQ	<1.00
	34301 P1 CLBZ	1/9n	NRO S	NRQ	NRO	NRQ	NRQ	NRQ	NRQ	NRO	<1.00
	34010 P1 BZME	7/9n	NRQ NRQ	NRQ	NRO	NRQ	NRQ	NRO	NRO	NRO	۷۱.00 دا.00
	34030 P I BZ	1/9n	N O	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<0.70
	99684 ADMS TCP246	G/KG-DRY	<150	<140	<140	<130	<150	<130	<140	<140	NRO
	98587 ADMS TCP245	6/KG-DRY M	<150 <140	<130	<130	<120	<140	<130	<130	<130	NRQ
.5-90 I	97681 ADMS 2346CP	_	<120	<110	¢110	86>	<120	<100	<110	<110	NRQ
NAME PLANT 78 3-5-90 MANAGER BOB CHESSON	99492 ADMS TCB 124		3000	<280	<280	<260	<310	<270	<290	<280	NRQ Q
NAME MANAGER	97675 ADMS TCB 1	16/KG-DRY P	<140	<130	<130	<120	<150	<130	<140	<130	NRO
PROJECT PROJECT	99490 ADMS PYR	MG/KG-DRY MG/KG-DRY	¢100	497	96>	<89	<110	46	66>	46	NRQ
PROJECT NUMBER FIELD GROUP BCSS3	DDE: 00E: 1:	# SAMPLE ID DATE TIME	4 BCSW3-4 03/09/90 08:25	5 BCSM3-5 03/09/90 07:15			8 BCSW3-8 03/08/90 13:30	9 BCSW3-9 03/08/90 14:50	10 BCSW3-10 03/08/90 16:15		13 TRPBLK 03/02/90 17:00
	STORET CODE: METHOD CODE: PARAMETER:	UNITS: FLD.GRP. RCSS3	BCSS3	BCSS3	BCSS3	BCSS3	BCSS3	BCSS3	BCSS3	BCSS3	BCSS3

	32 102 HA CTCL UG/L UG/L NRQ NRQ NRQ NRQ NRQ NRQ NRQ NRQ OO.600
	34506 HA TCA111 UG/L NRQ NRQ NRQ NRQ NRQ NRQ NRQ NRQ NRQ
	81522 HA DEMA UG/L NRQ NRQ NRQ NRQ NRQ NRQ NRQ NRQ NRQ NRQ
	34531 HA DCA12 UG/L NRQ NRQ NRQ NRQ NRQ NRQ NRQ NRQ NRQ NRQ
	32 106 HA TCLME UG/L NRQ
	34546 HA DCE 12T UG/L NRQ
	34496 HA DCA11 UG/L NRO NRO NRQ
	34501 HA DCE11 UG/L NRQ
	34488 HA FCII UG/L NRQ NRQ NRQ NRQ NRQ NRQ NRQ NRQ
	34423 HA HA UG/L UG/L NRQ
06-	34668 HAFFCL2 UG/L UG/L NRQ
NAME PLANT 78 3-5-90 MANAGER BOB CHESSON	34311 HA CLEA UG/L NRQ
NAME PL MANAGER BO	39175 HA MVC UG/L UB/L NRQ
PROJECT PROJECT	34413 BROMMTH UG/L NRQ NRQ NRQ NRQ NRQ NRQ NRQ NRQ NRQ NRQ
PROJECT NUMBER FIELD GROUP BCSS3	STORET CODE: "AETHOD CODE: JARAMETER: "LO.GRP. # SAMPLE ID DATE TIME BCSS3 3 BCSW3-3 03/09/90 08:45 BCSS3 4 BCSW3-4 03/09/90 08:25 BCSS3 5 BCSW3-5 03/09/90 07:15 BCSS3 6 BCSW3-6 03/08/90 17:10 BCSS3 7 BCSW3-7 03/08/90 17:10 BCSS3 8 BCSW3-9 03/08/90 11:30 BCSS3 1 BCSW3-9 03/08/90 11:30 BCSS3 1 BCSW3-9 03/08/90 11:30 BCSS3 1 BCSW3-9 03/08/90 16:15 BCSS3 1 BCSW3-9 03/08/90 16:15

	34301	НА	CLBZ	7/9N		NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<1.20
	34516	НА	PCA	UG/L		NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRO	<0.330
	34475	HA	PCE	UG/L		NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRO	<0.330
	97758	НА	TCP	UG/L		NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRO	<5.0
	77562	НА	PCA	1/9n		NRO	NRO	NRQ.	NRQ	NRQ	NRQ	NRO	NRQ	NRQ	<5.00
	32104	HA	TBME	UG/L		NRQ	NRO	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<1.00
	34576	НА	CEVETH	7/9n		NRQ	NRQ	NRQ	NRO	NRO	NRQ	NRQ	NRQ	NRQ	<0.700
	34704	НА	DCP 13C	7/9N		NRQ	NRQ	NRQ	NRQ	NRO	NRO	NRQ	NRQ	NRQ	<2.00
	32105	НА	DBCME	UG/L		NRQ	NRQ	NRO	NRQ	NRO	NRQ	NRQ	NRQ	NRO	<0.500
	39180	НА	TCE	UG/L		NRQ	NRO	NRQ	NRO	NRQ	NRO	NRQ	NRQ	NRQ	<0.600
2-90	34511	НА	TCA112	1/9n		NRO	NRO	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<0.300
PLANT 78 3-5-90 BOB CHESSON	34699	НА	DCP 13T	7/9n		NRQ	NRQ	NRQ	NRO	NRO	NRQ	NRO	NRO	NRQ	<2.00
NAME 1ANAGER	34541	HA	DCP 12	7/9n		NRQ	NRQ	NRO	NRO	NRQ	NRO	NRQ	NRQ	NRO	<0.200
PROJECT PROJECT	32101	НА	BDCME	UG/L		NRQ	NRQ	NRQ	NRQ	NRO	NRO	NRO	NRO	NRQ	<0.500
PROJECT NUMBER FIELD GROUP BCSS3	TORET CODE:	(ETHOD CODE:	ARAMETER:		#	3 BCSW3-3 03/09/90	4 BCSW3-4 03/09/90	5 BCSW3-5 03/09/90	9	7 BCSW3-7 03/08/90	œ	6	BCSS3 10 BCSW3-10 03/08/90 16:15	SSS3 11BCSW3-DUPE 03/09/90 07:15	5553 3 TRPBLK 03/02/90 7:00
	STOR	METH	PARA	UNITS:	FLD.GRP.	Ω	20	20	Ω0	ω	۵۰	άα	αò	ani —	ω

PLANT 78 3-5-90 BOB CHESSON	81524	HA	DCBZ	1/90		NRO	NRQ	NRQ	NRQ	NRQ	NRQ	NRO	NRQ	NRQ	<2.00
NAME MANAGER	99634	H	BRBZ	7/9N		NRO	NRO	NRO	NRQ	NRQ	NRQ	NRO	NRO	NRQ	\$
PROJECT PROJECT	19776	НА	CLHX I	7/9N		NRO	NRO	NRO	NRO	NRQ	NRO	NRQ	NRQ	NRO	<5.0
					T.ME	08:45	08:25	07:15	17:10	11:30	13:30	14:50	16:15	07:15	17:00
BCSS3					DATE	03/09/80	BCSW3-4 03/09/90	03/06/60	03/08/80	03/08/80	03/08/90	03/08/90	03/08/90	03/06/80	03/05/90
PROJECT NUMBER FIELD GROUP					# SAMPLE 1D	BCSW3-3	BCSM3-4	RCSM3-5	BCSW3-6	BCSW3-7	BCSM3-8	BCSM3-9	BCSW3-10	11BCSW3-DUPE	TRPBLK 03/02/90 17:00
PRO, FIEL	 La.				##	· cc	4	- د) v	, ~	- α	σ	9	. E	
	STORFT COD	METHOD CODE	PARAMETER	INITS	FI D. GRP.	BCSS3	BCCC3	BCCC3	8000	8000	BCSS3	BCSS3	BCSS3	BCSS3	8CSS3

	ESE Batch	D1740 D1740 D1738	D1740 D1740 D1738 D1735	D1740 D1740							
	COLL. TO ANA.	2 S C 7 4	5 7 7 7	5 7 13	6 8 8 4	6 6 15 8	6 8 5 7 7	6 8 15 8	6 8 8 7	5 7 15	12
	EXTR. TO ANA.	- 6	- 6	 ∞	 ∞	- 6	- 6	- 0	- 6	- 0	
	COLL. TO EXTR.	אסיט	, 0 rc	70 I C1	7 9	7	<i>L</i> 9	7 9	7	v o In	
78 1	E ANALYSIS DATE	03/14/90 03/14/90 03/16/90 03/23/90	03/14/90 03/14/90 03/16/90 03/23/90	03/14/90 03/14/90 03/16/90 03/22/90	03/14/90 03/14/90 03/16/90 03/22/90	03/14/90 03/14/90 03/16/90 03/23/90	03/14/90 03/14/90 03/16/90 03/23/90	03/14/90 03/14/90 03/16/90 03/23/90	03/14/90 03/14/90 03/16/90 03/23/90	03/14/90 03/14/90 03/16/90 03/24/90	03/14/90 03/14/90
TE RESERVED	EXTRACTION DATE	NA NA 03/15/90 03/14/90	A A A								
SAMP	COLL. DATE CLASSIFICATION	PURGE. AROMATICS-SW8020 PURGE. HALOCARBONS-SW8010 HYDROCARBON-E418.1 SEMIVOLATILES-SW8270	PURGE. AROMATICS-SW8020 PURGE. HALOCARBONS-SW8010 HYDROCARBON-E418.1 SEMIVOLATILES-SW8270	PURGE. AROMATICS-SW8020 PURGE. HALOCARBONS-SW8010 HYDROCARBON-E418.1 SEM1VOLATILES-SW8270	PURGE. AROMATICS-SW8020 PURGE. HALOCARBONS-SW8010 HYDROCARBON-E418.1 SEMIVOLATILES-SW8270	PURGE. AROMATICS-SW8020 PURGE. HALOCARBONS-SW8010					
	COLL. DATE	03/03/30	08/60/80	08/60/80	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	06/60/E0	03/05/90
	STATION ID	BCSW3-3	BCSW3-4	BCSM3-5	BCSM3-6	BCSN3-7	BCSM3-8	BCSM3-9	BCSM3-10	BCSW3-DUPE	TRPBLK
	SAMPLE 1D	BCSW3*3	BCSW3*4	BCSW3*5	BCSW3*6	BCSM3*7	BCSW3*8	BCSW3*9	BCSW3*10	BCSW3*11	BCSW3*14

	Batch	49 49 37 59	49 49 37 59	49 49 59	49 49 37 59	49 49 37 59	49 49 37 59	19 17 19 19	64 65 65 65	61 61 61	0; 0;
	ESE	D1749 D1749 D1737 D1759	01749 01749 01737 01759	01749 01749 01737 01759	D1740 D1740						
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I 78 SAMP	ANALYSIS DATE	03/15/90 03/15/90 03/16/90 03/24/90	03/14/90 03/14/90								
FOR	EXTRACTION DATE	06/ 06/ 06/	14/90 14/90 14/90 20/90	06/ 06/ 06/	14/90 14/90 14/90 20/90				7.		
ATE	EXTE	03/14/90 03/14/90 03/14/90 03/20/90	N N N A								
SAN	CLASSIFICATION	PURGE. AROMATICSS-SW8020 PURGE. HALOCARBONS-SW8010 HYDROCARBONS-E418.1 SEMIVOLATILES-SW8270	PURGE. AROMATICS-SW8020 PURGE. HALOCARBONS-SW8010								
			PURGE PURGE HYDRC SEMIV		PURGE PURGE HYDRO SEMIV	PURGE PURGE HYDRO SEMIV	PURGE PURGE HYDRO SEMIV	PURGE PURGE HYDRO SEMIV	PURGE PURGE HYDRO SEMIV	PURGE PURGE HYDRO	PURGE
	COLL. DATE	08/60/80	03/09/30	03/09/90	03/08/90	03/08/30	03/08/90	03/08/90	03/08/90	03/09/80	03/05/90
	STATION ID	BCSW3-3	BCSW3-4	BCSM3-5	BCSW3-6	BCSW3-7	BCSW3-8	BCSW3-9	BCSW3-10	BCSW3-DUPE	TRPBLK
	SAMPLE 1D	BCSS3*3	BCSS3*4	BCSS3*5	BCSS3*6	BCSS3*7	BCSS3*8	BCSS3*9	BCSS3*10	BCSS3*11	BCSS3*13

Chain of Custody Forms

,													(000	036
E, # SITE/STA HAZ? EKACTIONS(CHOLE) FOR (NF) DATE TIME PARAMETRIIST P-8	*2 P-8-DUP O O O O O O O O O O O O O O O O O O O	*3 P-9 0 (*4 P-9-DUP O O O O W NF 7/26/89 1207 P782-W	*5 RWB O O O O O N NF 7/26/89 1040	*6 TRPBLK & OOO XXF	TE -CHANGE OR ENTER SITE ID AS NECESSARY; U -CIRCLE FRACTIONS COLLECTED. ENTER DATE; -HAZARD CODES: ' #GNIMHECARCANE RHEACHVETHC	NQUISHED BY: (NAME/ORGANIZATION/DATE/TIME)	1 X Sans Hater Suring/2-27-84/1102	AMPLER: MORE SAMPLES TO BE SHIPPED? NO IF YES, ANTICIPATED # TO SHIP ON/	V= wa vials (44me) - collect 5 per site HCI TO PHK2	255 jer -	W-8000 Dug, collect 1 persite	bitumer preserved with nitricacial. collect the six	NF- plastic ensitainer filtered in field and preserved with cities	Collect 1 Brish dell

*** FIELD LOGSHEET ***
PROJECT NAME: PLANT 78 WATERS
LAB COORD. ANGELA BURCH

ORWAN COOLET

Hunter/ESE, Inc. 05-25-89 PROJECT NUMBER FREE

			••	pressived				B							3 00 :	37
05-25-89 *** FIELD LOGSHEET ***	DJECT NUMBER FREE PROJECT NAME: PLANT 78 WATERS LA	E.# SITE/STA HAZ? FRACTIONS(CHCLE) DATE TIME PRAMERUST P-8 O V V V V V V V V P P P P P P P P P P P	P-9 0 V V V 0 0 0 126 125 P782-W: N Froctions	4 P-9-DUP 8 V V V V P REP 7/6/1207 P782-WINECES to be Riltered & Pics.	*5 RWB & V V V W (W) (NF) 7/26/89	6 TRPBLK Y W W W W W X X SWY	-CHANGE -CIRCLE -HAZARD -PLEASE	SHED BY: (NAME/ORGANIZATION/DATE/TIME) VIA: REC'D BY (NAME/ORGANIZATION/DATE/TIME) VIA: REC'D BY (NAME/ORGANIZATION/DATE/TIME)	AMPLER: MORE SAMPLES TO BE SHIPPED? NO IF YES, ANTICIPATED # TO SHIP ONAMPLE CUSTODIAN: Custody Seals Intact? Samples Iced? Preservations Audited? Problems?	V= wa vials (44he) - collect 5 per site	0 = 960 ml glass for - collect 1 per-site	Who so or sug , collect I persite	bitamet preserved with rit	NF- plastic enritainer filtered in field and preserved with our	Collect 1 persit and	(De de)

SHEET *** FIELD GROUP: P782-S: PLANT 78 SOILS LAB COORD. ANGELA BURCH	17 had. 12	0735 P782-5 *72 K.m. (P782-S	P782-S	P782-S	P782-S:	P782-S	P782-S:	P782-S.	P782-S	UP TO 9 ALPHANUMERIC CHARACTERS MAY BE USED 'E, TIME, FIELD DATA (IF REQUIRED), HAZARD CODE AND NOTES *TOXIC WASTE H=OTHER ACUTE HAZARD; IDENTIFY SPECIFICS IF KNOWN 'H SAMPLES TO Hunter/ESE, Inc.	REC'D	5.E. 7/15/8 8 108		ES, ANTICIPATED # TO SHIP ON	collect 2 per site	collect 1 per site	0
<pre>dunter/ESE, Inc. 05-25-89 *** FIELD LOGS PROJECT NUMBER 99003- PROJECT NAME:</pre>	COSITE/STA HAZ? FRACTIONS(CIRCLE)	1981-2 2-2888-2	-3	519B1-4 SS SS S	51981-5 SS SS S	51681-1 SS SS S	516B1-2 SS SS S	516B1-3 SS SS S	516B1-4 SS SS S	516B1-5 SS SS S	UP SS SS S	-CHANGE OR ENTER SITE ID AS NECESSARY; -CIRCLE FRACTIONS COLLECTED. ENTER DAT -HAZARD CODES: I=IGNITABLE C=CORROSIVE R=REACTIVE T -PLEASE RETURN COMPLETED LOGSHEETS WIT	ISHED BY: (NAME/ORGANIZATION/DATE/T	Know Dandant - Honk - 7-14-89 1		LER: MORE SAMPLES TO BE SHIPPED? IF YES IE CUSTODIAN: Custody Seals Intact? San	55= 250 nd Jar,	5V= 60 ml far	•
Hun PRO.	₩.H.I	*2	*!	* 1	* 5	*		*	6 *	HI	~ i	T E	12	ו הו ו הוני	٠ <u> </u> ٣	AMP]			

			# # # # # # # # # # # # # # # # # # #		# # # # # # # # # # # # # # # # # # #		1 1 1 1 1 1			1 1 1 1 1 1	N E	ATE/TIME)	6.20		ems?		
PARAHETER LIST P782-S	P782-S	P782-5 *3-55 ** (4	P782-5*	P782-S	P782-S	P782-S	P782-S	P782-S	P782-S	P782-S	C CHARACTERS MAY B REQUIRED), HAZAR IDENTIFY SPECIFICES.	REC'D BY (NAME/ORGANIZATION/DATE	K- Y'W HUNTEN 6.5.6. 1/2/189	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	# TO SHIP ON/ Preservations Audited? Probl	2 per site	J per Site
TIME	 	9 1/05									N A F u	VIA:	X	: : : : : : : :	TICIPATE Iced?	co (Kest	collect
DATE	1 1 1 1 1 1 1	8/8//C	7/18/89								XY; UP TO 9 DATE, TIME, F F T = TOXIC HASTE H AITH SAMPLE	ME)	101-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	i ! ! ! !	F YES, AN - Samples	700	60
FRACTIONS (CIRCLE)	SSSS	8	(§3)(§3)	SS SS SV	S S S S S	SSSS	S S S	SSS	SSI	S S S S V	SITE ID AS NECESSAIS COLLECTED. ENTER 1	/ORGANIZATION/DATE/	7.20-89 / 0300	! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !	TO BE SHIPPED? I tody Seals Intact?	250 pg jar	60 put jan
SITE/STA HAZ? E519B1-1	519B1-	519B7	519B1-	51981-5	51681-1	516B	516B	516B	516B1-		GE OR ENTER LE FRACTION RD CODES: I	ISHED, BY:, (NAME	Norther Hunter	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ER: MORE SAMPLES E CUSTODIAN: Cus	55	5 12
H# H	*2		* 1		*	*	*		I	*11	я I L	ONI	1410	1	AMPL		14.00

FIELD GROUP: P782-S

LAB COORD. ANGELA BURCH

*** FIELD LOGSHEET *** F PROJECT NAME: PLANT 7/8 SOILS

05-25-89

Hunter/ESE, Inc. 05-; PROJECT NUMBER 99003-

IST S											RACTERS MAY BE USED UIRED), HAZARD CODE AND NOTES TIFY SPECIFICS IF KNOWN	D BY (NAME/ORGANIZATION/DATE/TIME)	W/W HUNTER/ES. E. 6/489 0800	
PARAMETER LI P 7 8 2 - S	P782-S	P782-S	P782-S	P782-S	P782-S	P782-S	P782-S	P782=S	P782-S	P782-S	HΩ	E E E E E E E E E E E E E E E E E E E	A	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
TIME	1104	1200									9 ALPHANUMERIC , FIELD DATA (IF E H=OTHER ACUTE HAZARD; LES TO Hunter/E	VIA:	250	1 1 1 1 1 1
DATE TIME	6/2/89	6/2/89				0	1				; UP TO TE, TIME T=TOXIC WAST	TIME)	7/6-5-84/	
FRACTIONS (CIRCLE)	SS SS (ST)	(3) (3) (T)	SS SS SV	SSS	SS	S	SSS	S S S	S	SS	SITE ID AS NECESSA S COLLECTED. ENTER SIGNITABLE C-CORROSIVE R-REACTION PLETED LOGSHEETS	ORGANIZATION / DATE /	122-22 120	
SITE/STA HAZ? E519B1-1	51	E519B1-3	E51981-4	E519B1-5	E516B1-1	E516B1-2		E516B1-4	E516B1-5	DUP	CHANGE OR ENTER CIRCLE FRACTION HAZARD CODES: I PLEASE RETURN C	ISHEB BY: (NAME	Fan	
H H #		ا ا * ا	7 * -			*		*		*11	는 면		1 1 2	1 %

LAB COORD. ANGELA BURCH

FIELD GROUP: P782-S

PROJECT NAME: PLANT 78 SOILS

*** FIELD LOGSHEET ***

05-25-89

Hunter/ESE, Inc. 05-; PROJECT NUMBER 99003-

Problems? AMPLER: MORE SAMPLES TO BE SHIPPED? JAN IF YES, ANTICIPATED # 7 TO SHIP ON 6/7/8/2 AMPLE CUSTODIAN: Custody Seals Intact? ______Samples Iced? _____Preservations Audited? ____ 55= 250 nd jar, colket 2 per site 5V= 60 ml jar, collect 1 per site

(CIRCLE) DATE TIME PARAMETER, LIST (CIRCLE) DATE TIME PARAMETER, LIST (CIRCLE) DATE TIME PARAMETER, LIST	6445	P782-S					l I	P782-		P782-	ESSARY; UP TO 9 ALPHANUMERIC CHARACTERS MAY BE USED TER DATE,TIME,FIELD DATA (IF REQUIRED), HAZARD CODE AND NOTES -REACTIVE T = TOXIC HASTE H = OTHER ACUTE HAZARD; IDENTIFY SPECIFICS IF KNOWN ETS WITH SAMPLES TO Hunter/ESE, Inc.	ATE/TIME) V	(23.85) 1330 Kind Hunter 16.5.6. 6/86/8	TO SHIP ONroblem	2 jar, collect 2 persite	
I ON'S (O	(A)	SV						N	S	SV		IZATI		SHIP	ξ,	
ERACT SS SS	ו עמי		S		S	S	SS	SSS	SSS	SSS	SITE COLL COLL MPLET	ORGAN	\$	TO BE tody S	257	§ .
HAZ?							,			į	ETHER ETHER ESHORN URN	NAME	THE	AMPLES N: Cus	1, 1,	>
E/STA 981-1	981	981-	9 B	9 B			m	6 B	1-	Į.	GE CE	D BY:	13	MORE S STODIA	1) N	כ
STI	12	N			E 5	E 5	5 3	E 5	E 5	 	-CHA -CHA -CIR -HAZ	QUISH	1 2 C	ER: T	•	
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FIELD GROUP: P782-S
1 LAB COORD. ANGELA BURCH

*** FIELD LOGSHEET ***
PROJECT NAME: PLANT 78 SOILS

iunter/ESE, Inc. 05-25-89
PROJECT NUMBER 99003-

	STA HAZ? FRACTIONS(CIRCLE) B1-1 SS SS SV P782-	BIL-2 SS SS SV	B1-3 (\$\$)(\$\$)	81-4 (SS)(SS)(SV) P782-S * 9-	B1-5 (\$\$)(\$V)	B1-11 SS SS SV P7782-	B1-2 SS SS SV P782-	B1-3 SS SS SV	B1-4 SS SS SV	81-5 SS SS SV	DUP (SS (SS) SV)	E OR ENTER SITE ID AS NECESSARY; UP TO 9 ALPHANUMERIC CHA E FRACTIONS COLLECTED. ENTER DATE, TIME, FIELD DATA (IF REQ D CODES: I *IGNITABLE C *CORROSIVE R *REACTIVE T *TOXIC HASTE H *OTHER ACUTE HAZARD: IDEN E RETURN COMPLETED LOGSHEETS WITH SAMPLES TO Hunter/ESE,	BY: (NAME/ORGANIZATION/DATE/TIME) VIA: REC'D BY (NAME/ORGANIZATION/DATE Test Ex K. NAME/ORGANIZATION/DATE Test Ex K. NAME/ORGANIZATION/DATE			RE SAMPLES TO BE SHIPPED? () IF YES, ANTICIPATED # 5 ODIAN: Custody Seals Intact? Samples Iced? Pre	55= 250 nd jor, colket 2 per site	SV = 60 m for collect 1 per site
E E E E E E E E E E E E E E E E E E E	TA HAZ	-2	Hi	1.	1	1 1 1	-2	() () () () () () () () () ()	- 4	- 5	UP	OR ENTE FRACTIO CODES: RETURN	Y: (NAR	1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SAMPLE IAN: Cu	55	
	SITE/ E519B	E519B	E519B	E519B	E519B	E516B	E516B	E516B	E516B	E516B	1 1	-CHANGE -CIRCLE -HAZARD -PLEASE	UISHED	1 1		ER: MOR E CUSTO		

FIELD GROUP: P782-S
LAB COORD. ANGELA BURCH

SOILS

*** FIELD LOGSHEET ***
PROJECT NAME: PLANT 78

Hunter/ESE, Inc. 05-25-89 PROJECT NUMBER 99003-

FIELD GROUP: P782-S
LAB COORD. ANGELA BURCH

*** FIELD LOGSHEET ***
PROJECT NAME: PLANT 78 SOILS

05-25-89

unter/ESE, Inc. 0:

*** FIELD LOGSHEET *** PROJECT NAME: PLANT 78 SOILS IQNS(CLRCLE) DATE TIME	ARY; UP TO 9 AL DATE; TIME; FIEL NET = TOXIC WASTE H=0THE WITH SAMPLES T	Z NIA:	11.13 Aurentese	BE SHIPPED? MO IF YES, ANTICIPATED # TO SHIP ON
TET/ESE, INC. US-25-89 JECT NUMBER FREE SITE/STA HAZ? FRACTIONS	*14 TRPBLK (V)	INQUISHED BY (NAME/ORGANIZATION/DATE/TIME)	to Semica)	LER: MORE SAMPLES TO BE SHIPPED? LE CUSTODIAN: Custody Seals Intac

Quality Control Summary Sheets

	FOOTNOTE	
	FOUND 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2000-0000000000000000000000000000000000
	DATE 02/14/90	03/16/90
SAMPLES	SAMPLE MB*D1740*1	MB*D1740* MB*D1740* MB*D1740* MB*D1740* MB*D1735*
· A TER	D1740	01738 01738
Hunter/ESE, FOR PLANT Sample Sum	34030*PI 34030*PI 34030*PI 34010*PI 34301*PI 8155.*PI 81524*PI 81524*PI 3413*HA 3413*HA 3413*HA 3423*HA 34433*HA 34501*HA 34501*HA 34501*HA 34501*HA 34504*HA	34516*HA 99388*DIR 34205*ADMS 34200*ADMS 8153*ADMS 34220*ADMS 34220*ADMS 34220*ADMS 34220*ADMS 34224*ADMS 3422*ADMS 3422*ADMS 3422*ADMS 3422*ADMS 3422*ADMS 3422*ADMS 3423*ADMS 3423*ADMS 3423*ADMS 3423*ADMS 3423*ADMS 3423*ADMS 3423*ADMS 3423*ADMS 3423*ADMS 3423*ADMS 3423*ADMS 3423*ADMS 3423*ADMS 3423*ADMS 3423*ADMS
SUMMARY od Blank	\$\text{TNI}\$	7 7 7 7 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
04725790 CONTROL	NAME BENZENE TOLUENE CHLOROBENZENE ETHYLBENZENE BROWGBENZENE XYLENES, TOTAL DICHLOROBENZENE, TOT. CHLOROBENZENE, TOT. CHLOROBETHANE BROWMOMETHANE BROWGHTHANE VINYL CHLORODIFLUOROMETHANE VINYL CHLORODIFLUOROMETHANE I, 1-DICHLOROETHANE I, 1-DICHLOROETHANE I, 1-DICHLOROETHANE I, 2-DICHLOROETHANE I, 2-DICHLOROETHANE I, 2-DICHLOROETHANE I, 2-DICHLOROETHANE I, 2-DICHLOROETHANE I, 1-DICHLOROETHANE I, 1-DICHLOROETHANE I, 2-DICHLOROETHANE I, 1-DICHLOROETHANE I, 1-DICHLOROMETHANE I, 1-DICHLOROPENANE I, 1-DICHLOROPENANE I, 1-DICHLOROPENANE I, 1-DICHLOROPENANE I, 1-DICHLOROPENANE IN I, 1-DICHLOROPENANE II, 1-DICHLOROPENANE II, 1-DICHLOROMETHANE IN I, 1-DICHLOROPENANE IN I, 1-DICHLOROPENANE II, 1, 1-DICHLOROPENANE II, 1, 1, 1-TETRACH'ETHANE IETRACHLOROETHENE BROWGETHENE BROWGETHENE IT I, 1, 1, 1-TETRACH'ETHANE IETRACHLOROETHENE	1, 1, 2, 2-TETRACHLORO ETHANE 1-CHLOROHEXANE HYDROCARBONS, PETROL,, TOT ACENAPHTHENE ACENAPHTHENE ACETOPHENONE AN IL INE ANTHRACENE 4-AMINOBIPHENOL BENZO(A)ANTHRACENE BENZO(A)ANTHRACENE BENZO(B)FLUORANTHENE BENZO(A)PYRENE BENZO(CALOROETHYL)ETHER BENZO(CALOROETHYL)ETHER BIS(2-CHLOROETHYL)ETHER BIS(2-CHLOROETHYL)ETHER BIS(2-CHLOROETHYL) ETHER

NAME 4-RROMOPHENY! PHENY! FTHER	UNITS	STOR*METH	BATCH SAMPLE	DATE FOUND	IND FOOTNOTE
4-CHLOROANIL INE	7/20 06/1	99075*ADMS		03/22/30 0.0	
1-CHLORONAPHTHALENE	UG/L	97694*ADMS	M8*D1735*1	0.0	
2-CHLORONAPHTHALENE	NG/L	34581*ADMS	MB*D1735*1	0.0	
2-CHLOROPHENOL	7/9N	34586*ADMS	MB*D1735*1	0.0	
4-CHLORO-3-METHYLPHENOL	7/9n	34452*ADMS	MB*D1735*1	0.0	
4-CHLOROPHENYLPHENYL ETHER	7/9n	34641*ADMS	MB*D1735*1	0.0	
CHRYSENE	7/9n	34320*ADMS	MB*D1735*1	0.0	
DIBENZ(A, J)ACRIDINE	7/9n	97695*ADMS	MB*D1735*1	0.0	
DIBEN' (A, H)ANIH' CENE	06/L	34556*ADMS	MB*D1735*1	0.0	
DIBENZOFURAN DI-N-DITXI BUTUAL ATE	7,90	81302*ADMS	MB*D1735*1	0.0	
U -N-BOLITERIHALAIE	7/90	39110*AD#S	MB*D:/35* MB*D:/35*;	0.0	
1 2-DICHIOROBENZENE	7,90	34536*ADMS	MD#DI/SDXI		
1 4-DICHIORORENZENE	7/90	34571*ADMS	MR*D1735*1	0.0	
3,3'-DICHL'BENZIDINE	7/9n	34631*ADMS	M8*D1735*1		
2,4-DICHLOROPHENOL	UG/L	34601*ADMS	MB*D1735*1	0.0	
2,6-DICHLOROPHENOL	UG/L	77541*ADMS	MB*D1735*1	0.0	
DIETHYLPHTHALATE	₩ 10	34336*ADMS	MB*D1735*1	0.0	
P-DIMETHYLAMINOAZOBENZENE	UG/L	97696*ADMS	MB*D1735*1	0.0	
7, 12-DIMETHYLBENZ(A)ANTHRANCENUG/L	ENUG/L	97697*ADMS	MB*D1735*1	0.0	
A-, A-DIMETHYLPHENETHYLAMINE	7/9n	97698*ADMS	MB*D1735*1	0.0	
2,4-DIMEIHYLPHENOL	7/90 116 /1	34606*ADMS	MB*D1/35*1	0.0	
4, O-DINIINO-Z-MEIMILPHENOL	7/9/ 10/1	STORT TANKS	18*U /35*	0.0	
DINE HILF HALAIE	16/L	34 34 1* AUMS	18401/35*	0.0	
2 4-DINITROTOLENDE	7/90	34610*ADH3	MD NOT 1 7 3 3 X 1	2.0	
2 6-DINITROTOLIENE	7/90 116/1	34626*ADMS	100/100/1 100/100/100/100/100/100/100/10		
DIPHENYLAMINE	7/20 NG/L	77579*ADMS	MR*D1735*1	0.0	
1,2-DIPHEN'HYDRAZINE	7/9n	34346*ADMS	MB*D1735*1	0.0	
DI-N-OCTYLPHTHALATE	UG/L	34596*ADMS	MB*D1735*1	0.0	
ETHYL METHANESULFONATE	NG/L	97699*ADMS	MB*D1735*1	0.0	
FLUORANTHENE	7/9n	34376*ADMS	MB*D1735*1	0.0	
FLUORENE	7/9n	34381*ADMS	MB*D1735*1	0.0	
HEXACHLOROBENZENE	79n	39700*ADMS	MB*D1735*1	0.0	
HEXACHLOROBO FAULENE HEXACHLOROCYCLOPENTANIENE	7 / SII	3439 [*ADMS 34386*ADMS	MB*D1/35*1	0.0	
HE XACHLOROETHANE	7/20 1/20	34396*ADMS	M8*D1735*1	0.0	
INDENO(1,2,3-CD)PYRENE	UG/L	34403*ADMS	MB*D1735*1	0.0	
ISOPHORONE	7/9n	34408*ADMS	MB*D1735*1	0.0	
2-METHYL PHENOL	UG/L	99073*ADMS	MB*D1735*1	0.0	
4-METHYL PHENOL	790 100 7	99074*ADMS	MB*D1735*1	0.0	
SHEEL HALCHOLAN HARENE	UG/L	9 / /00*ADMS	MB*D1/35*1	0.0	
METHIC METHANESULFONALE	U6/L	97/01*ADMS	MB*D1/30*	0.0	
Z-ME IMLINAPHIMALENE NADUTUA: ENE	7.90	7/4/6*AUMS	1840-/354 1040-1454	0.0	
TAN DESTRUCTION OF THE PROPERTY OF THE PROPERT	7/00/1	34090*ADIIS 07703*ADIIS	MDKD1/334	0.0	
2-NAPHTHYLAMINE	1/9/	97703*ADMS	MR*C-035		
2-NITROANILINE	7/9n	99077*ADMS	M8*D1735*1	0.0	
3-NITROANILINE	NG/L	99078*ADMS	MB*D1735*1	0.0	
4-NI TROANIL I NE	7/9n	99079*ADMS	MB*D1735*1	0.0	
N) TROBENZENE	7/90	34447*ADMS	MB*D1735*1	0.0	
N-NITROSOPIPERIDINE	7, S.	97704*ADMS	MB*D1735*1	0.0	
Z-NI IROPHENOL	U6/L	34591*ADMS	MB*D / 35*	0.0	
4-N IROPHENOL	7/90	34646*AUMS	MB*D1/35*1	0.0	
N-MI INCOC-UI-M-DOI ILAMINE	06/L	7//ID*AUDO	RB*U /35*	o.o	

HUNCELYESE, INC. QUALITY CONTROL SUMMARY FOR PLANT 78 WATER SAMPLES Method Blank Sample Summary

FOOTNOTE	
FOUND 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	
DATE 03/22/90	
BATCH SAMPLE D1735 M8*D1735*1	
\$10R*METH 34438*ADMS 34428*ADMS 34433*ADMS 39032*ADMS 97705*ADMS 97705*ADMS 97708*ADMS 97708*ADMS 97709*ADMS 97709*ADMS 97709*ADMS 97710*ADMS 97710*ADMS 3469*ADMS 97710*ADMS	1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
NAME N-NI TROSODIMET'AMINE N-NI TROSODI-N-PROPYLAMINE N-NI TROSODI-N-PROPYLAMINE PENTACHLOROPHENOL PENTACHLOROPHENOL PENTACHLOROPITROBENZENE PENTACHLORONI TROBENZENE PHENACETIN PHENACETIN PHENAL 2-PICOLINE PRONAMIDE PYRENE 1, 2, 4, 5-TETRACHLOROBENZENE 1, 2, 4, 5-TETRACHLOROBENZENE 2, 3, 4, 6 TETRACL'PHENOL 2, 4, 5-TRICH'PHENOL 2, 4, 5-TRICHL'PHENOL 2, 4, 6-TRICH'PHENOL 2, 4, 6-TRICH'PHENOL 2, 4, 6-TRICH'PHENOL 3, 4, 6-TRICH'PHENOL	

HUMTET/ESE, INC. MALER SAMPLES QUALITY CONTROL SUMMARY FOR PLANT 78 WATER SAMPLES METHOD Blank Sample Summary

04/25/90		Hunter/ESE INC.	پر									
QUALITY CONTROL SUMMARY FOR PLANT 78 WATER Standard Matrix Spike Recovery and Replicate	ROL SUMMARY x Spike Rec	QUALITY CONTROL SUMMARY FOR PLANT 78 WATER andard Matrix Spike Recovery and Replicate		SAMPLES Summary								
NAME	UNITS	STOR*METH	BATCH	SAMPLE	DATE	¥B	TARGET	FOUND	%RECV	RECV CRIT R.P.D.	R.P.D. CRIT.	FOOTNOTE
BENZENE	7/9n	34030*P1	D1740	SP1*D1740*1	02/14/90	0.03 4		3.87	94.9	m		
TOLUENE	7/9n	34010*PI		SP1*D1740*1		0.06		3.57	89.0	46-148	30	
CHLOROBENZENE	N6/L	34301*P1		SP1*D1740*1		0.064 0		*		85-115	15	
1, 1-DICHLOROETHYLENE	7/9n	34501*HA		SP1*D1740*1		0.162 5		4.80	94.1	28-167	30	
TRICHLOROETHENE	7/9n	39180*HA		SP1*D1740*1		0.128 5		1.61	82.8	35-146	30	
HYDROCARBONS, PETROL., TOT	UG/L	99388*DIR	D1738	SP1*MBLK*1738	03/16/90	156 4		3560	84.4	64-92	4-	
HYDROCARBONS, PETROL., TOT	ng/r			SP2*MBLK*1738		156 4		2850	67.5	64-92 22.3	4-	
ACENAPHTHENE	7/9n	34205*ADMS	D1735	SP1*D1735*1	03/22/90	0.0		49	86		31	
2-CHLOROPHENOL	7/9n	34586*ADMS		SP1*D1735*1				32	92	27-123	40	
4-CHLORO-3-METHYLPHENOL	N6/L	34452*ADMS		SP1*D1735*1		0.0		92	92	23-97	42	
1,4-DICHLOROBENZENE	7/9N	34571*ADMS		SP1*D1735*1				35	20	36-97	28	
2,4-DINITROTOLUENE	NG/F	34611*ADMS		SP1*D1735*1				0‡	80	24-96	38	
4-NITROPHENOL	7/9n	34646*ADMS		SP1*D1735*1				61	49	10-80	50	
N-NITROSODI-N-PROPYLAMINE	7/9n	34428*ADMS		SP1*D1735*1				13	98	41-116	38	
PENTACHLOROPHENOL	1/9n	39032*ADMS		SP1*D1735*1				96	66	9-103	50	
PHENOL	NG/L	34694*ADMS		SP1*D1735*1				53	23	11.5-88.5	42	
PYRENE	NG/L	34469*ADMS		SP1*D1735*1		0.0	50 4	49	86	26-127	31	
1, 2, 4-TRICH'BENZENE	7/9n	34551*ADMS		SP1*D1735*1				88	9/	39-98	28	

FOOTNOTE	
88 88 88 88 88 88 88 88 88 88 88 88 88	
	20 4 4 2 3 3 3 3 4 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
6.60 7.35 6.60 7.35 6.56 12.3 2.2 2.0 2.1 1.3 1.4	5.2 6.4 10 5.0
RECV CRIT UNSPIKED 9-150 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	
ww4488000ww0004400000ww000==440	
**RECV 887.5 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	4 4 4 6 7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
F FOUND 1.66 1.73 1.66 1.73 1.67 1.73 1.60 1.71 1.72 1.72 2.730 9.94 4.6 9.9 9.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7	4 4 6 4 7 4 4 3 4 4 3 3 9 9 9 9 9 9 9 9 9 9 9 9 9
TARGET 1.82	8889999
MB 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	
DATE 02/14/90 03/16/90 03/22/90	
SAMPLE SPM !: BCS H3 * 3 SPM 2* BCS H3 * 3 SPM 2* BCS W3 * 3 SPM 1* BCS W3 * 3 SPM 2* BCS W3 * 3 SPM 2* BCS W3 * 7 SPM 3* BCS W3 * 7 SPM 3	SPT1 * BECSM3* / SPR2* BECSM3* / SPM2* BECSM3* 7 SPM 1* BECSM3* 7 SPM 1* BECSM3* 7 SPM 1* BECSM3* 7 SPM2* BECSM3* PECSM3* PECS
BATCH D1740 D1738	
34030*P1 34010*P1 34301*P1 34301*HA 39180*HA 99388*D1R 34205*ADMS 3452*ADMS 3452*ADMS 34571*ADMS 34646*ADMS 34628*ADMS	394694*ADMS 34469*ADMS 34469*ADMS 3455.1*ADMS
ST INU 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	7/9n 7/9n 7/9n 7/9n 7/9n 7/9n
NAME BENZENE BENZENE TOLUENE TOLUENE TOLUENE CHLOROBENZENE CHLOROBENZENE 1, 1-D ICHLOROETHYLENE TRICHLOROETHENE TRICHLOROETHENE TRICHLOROETHENE TRICHLOROETHENE TRICHLOROETHENE TRICHLOROETHENE TRICHLOROETHENE ACENAPHTHENE 2-CHLOROPHENOL 4-CHLORO-3-METHYLPHENOL 1, 4-D ICHLOROBENZENE 1, 4-D INTROTOLUENE 2, 4-D IN ITROTOLUENE 3, 4-D IN ITROTOLUENE 2, 4-D IN ITROTOLUENE 3, 4-D IN ITROTOLUENE 3, 4-D IN ITROTOLUENE 4-N ITROPHENOL 4-N ITROPHENOL 4-N ITROPHENOL 4-N ITROSODI -N-PROPYLAMINE BENTACAL ORDORUMOL 4-N ITROSODI -N-PROPYLAMINE 4-N ITROSODI -N-PROPYLAMINE	PERN ACHLONOPHENOL PHENOL PYRENE PYRENE 1, 2, 4-TR ICH' BENZENE 1, 2, 4-TR ICH' BENZENE

HUNTER / TRU.
QUALITY CONTROL SUMMARY FOR PLANT 78 WATER SAMPLES
Sample Matrix Spike Recovery Summary

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Hunter/ESE, INC. QUALITY CONTROL SUMMARY FOR PLANT 78 SOIL SAMPLES Method Blank Sample Summary

rg	FOOTNOTE																																																	
Sample Summa	FOUND 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Method Blank Sample Summary	DATE 03/15/90																															03/16/90	03/24/90																	
	SAMPLE MB*D1749*1 MB*D1749*1	MB*D1749*1	MB*D1749*1	MB*D1749*1	1404/10*E	MB*D1749*1	MB*D /49*	MB*U1/49*	MD*D /49*	MB*D1749*1	M8*D1749*1	MB*D1749*1	MB*D1749*1	MB*D1749*1	MB*D1749*1	18*D /49* 10*D /40*	MB*D1749*1	M8*D1749*1	MB*D1749*1	MB*D1749*1	MB*D1749*1	MB*D1749*1	MB*D1/49*1	MB*D1749*1	MB*D1749*1	MB*D1749*1	MB*D1749*1	MB*D1749*1	MB*D1749*1	MB*D1749*1	MB*D1/49*1 MB*D1740*1	MB*MBLK*1737	MB*D1759*1	MB*D1759*1	MB*D1/59*1		•	MB*D1759*1	MB*D1759*1	M8*D/759*1	MB*D1759×1	MB*D1759*1	4B*D1759*1	4B*D1759*1	48*D1759*1	MB*D1/59*1	MB*D1759*1	MD*D1/39*1	18*D1759*1	
	BATCH D1749									-		•	_	-				- A.	. 2	-	a . i	2 3	. 2	. 2	: :		E	Æ	Σ:	Æ 3	EZ	D1737 M		X . :	E 3	= 3	.	E	Σ	*	X	Ŧ	₹ :	€ 3	2 7	E 3	Ē	==	E 3E	
	STOR*METH 34237*ADP1 34483*ADP1	34304*ADP	34374*ADP1	9/036*ADP1	43310*ADF1	98578*ADP;	3442 1*ADHA 34416*ADUA	34416*ADHA	34 334 * ADHA	34314*ADHA	34426*ADHA	34491*ADHA	34504*ADHA	34499*ADHA	34549*ADHA	34 3 18* ADHA	78756*ADHA	34509*ADHA	34299*ADHA	34330*ADHA	34544*ADHA	34697*ADHA	3448/*ADHA 34309*ADHA	34702*ADHA	34514*ADHA	34579*ADHA	34290*ADHA	97042*ADHA	97043*ADHA	34519*ADHA	344/8*ADHA 97039*ADHA	98233*AD	99450*ADMS	99451*ADMS	9/643*ADMS	97644*ADMS	97645*ADMS	97646*ADMS	99453*ADMS	99454*ADMS	99455*ADMS	99456*ADMS	99691*ADMS	9/64/*ADMS	9/6/6*ADMS	99463*AUMS	99438**DMS	97453"ADIIS	97547*ADMS	
	UNITS MG/KG-DRY MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	16/A6-DR1	MG/KG-DRY	MC /KC-DA	MG /KG-DBY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG /KG-DR1	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY			MG/KG-DRY	_				MG/NG-DRY										MG/KG-DRY					
	NAME BENZENE TOLUENE	CHLOROBENZENE	E I HYLBENZENE	SKUMUBENZENE VVI ENES TOTA!	ALENES, JOHAL	METHYLCHLORINE	METHY BROWINE	DICHI ORODI FI HOROMETHANE	VINYL CHIORIDE	CHLOROETHANE	METHYLENE CHLORIDE	TRICHLOROFLUOROMETHANE	1, 1-DICHLOROETHENE	1, 1 DICHLOROETHANE	CHI ODOLOGO	1 2-DICHIORDETHANE	DIBROMOETHANE	1, 1, 1-TRICHLOROETHANE	CARBON TETRACHLORIDE	BROMOD I CHLOROMETHANE	T : 2 -DICHLOROPROPANE	TE CHI ODORTUNI DAN	DIBROMOCHI OROMETHANE	CIS-1, 3-DICHLOROPROPENE	1.1.2- TRICHLOROETHANE	2-CHLOROETHYLVINYL ETHER	BROMOFORM	1, 1, 1, 2-TETRACHLOROETHANE	TRICHLOROPROPANE	1, 1, 2, 2~1E !RACHLOROE HANE	1-CHLOROHEXANE	HYDROCARBONS, PETROL	ACENAPHTHENE, SOIL	ACENAPHTHYLENE, SOIL	ACE LOT TENONE	ANTHRACENE SOLI	4-AMINOBIPHENYL	BENZIDINE	BENZO(A) ANTHRACENE	BENZO(B)FLUORANTHENE, S	BENZO(K)FLUORANTHENE	BENZO(A)PYRENE	BENZO(G, H, I,)PERYLENE	BENZOLC ACCHOL	BLITY: BENZV: BUTUA: ATE	BIS(2-CHIOROFTHY) STHED	BIS(2-CHLOROFTHOXY)METHANE	BIS(2-FTHY) HEXYI \PHTHAI ATE	BIS(2-CHL'ISOPROPYL) ETHER	

Hunter/ESE, INC. QUALITY CONTROL SUMMARY FOR PLANT 78 SOIL SAMPLES Method Biank Sample Summary	FOOTNOTE																																																
/ESE, INC. FOR PLANT 78 Sample Summa	FOUND	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hunter/ESE, INC. ITROL SUMMARY FOR PLANT 78 S Method Biank Sample Summary	DATE	03/24/90																																															
QUALITY CON		MB*D1759*1	MB*D1/59*	MB*D1759*1	MB*D1759*1	MB*D1759*1	MB*D1759*1	MB*D1759*1	MB*D1759*1	MD*D / 3/4	MB*D1759*1	MB*D1759*1	MB*D1759*1	MB*D1759*1		MB*D1750*1	MB*D1759*1	MB*D1759*1	MB*D1759*1	MB*D1759*1	MB*D1759*1	18401/20*1 10*01/20*1	MB*D1/59*1	MB*D1759*1	M8*D1759*1	MB*D1759*1	MB*D1759*1	MB*D1759*1	36*U /59*	MB*D1759*1	MB*D1759*1	MB*D1759*1	MB*D1759*1	MB*D1750*1	MB*D1759*1	MB*D1759*1	MB*D1759*1	MB*D1759*1	MB*D1759*1	MB*D1/59* MB*D1759*1	MR*D1759*1	MB*D1759*1	MB*D1759*1	MB*D1759*1	MB*D1759*1	MB*D1/59*1 MB*D1759*1	MB*D1759*1	MB*D1759*1	1B*D1759*1
	ВАТСН	01759																		_		_			-	_	-		- 2	. 2.		2	_ 1	E 2	. . .	3 E	Ε	Σ:	E 3	E x	: x :	: =	2	Σ	E 3	E E	: :	Ξ	Ē
04/25/9	STOR*METH	99462*ADMS	9/048*AUMS	99464*ADMS	99497*ADMS	99683*ADMS	99465*ADMS	99690*ADMS	9/65U*ADMS	97451*ADMS	99467*ADMS	99468*ADMS	99470*ADMS	99469*ADMS	9947 I*AURS	99472*ADMS	97652*ADMS	97653*ADMS	97654*ADMS	97677*ADMS	99499*ADMS	994/3*AUES	97678*ADMS	99474*ADMS	99475*ADMS	97655*ADMS	99477*ADMS	9/656*ADMS	994 / D* ADMS	99692*ADMS	99478*ADMS	99479*ADMS	9/65/*ADMS	99482*ADMS	99483*ADMS	97658*ADMS	97659*ADMS	97660*ADMS	99696*ADMS	9/001*ADMS	97662*ADMS	97663*ADMS	97664*ADMS	99485*ADMS	9/665*ADMS	97667*ADMS	97669*ADMS	97670*ADMS	97671*ADMS
	UNITS	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DKY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MC/KG-DRI	MG/KG-DRY			MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MC //C-DA1						MC/KG-DRY					MG/KG-DRY			MG/KG-DRY 9			MG/KG-DRY S	_	-	_		_	MG/KG-DRY S				MG/KG-DRY 9
		4-DACHIOPORNIL PHENIL EINER A-CHIOPONNII INF SCO	1-CHLORONAPHTHALFNF	2-CHLORONAPHTHALENE	2-CHLOROPHENOL	4-CHLORO-3-METHYLPHENOL	4-CHLOROPHENYLPHENYL ETHER	O I BENZ A TACBINING	DIRENZOA HANTHRACENE	DIBENZOFURAN	DI-N-BUTYL PHTHAL ATE	1,3-DICHLOROBENZENE	1, 2-DICHLOROBENZENE	1,4-DICHLOROBENZENE	2.3 BICHEONOBENZIBINE 2.4-DICHIOROPHENDI	DIETHYLPHTHALATE	P-DIMETHYLAMINOBENZENE	7,12-DIMETHYLBENZ(A)ANTHRANCE	A-, A-DIMETHYLPHENETHYLAMINE	2,6-DICHLOROPHENOL	Z, 4-DIME IHYPHENOL DIMETHYI PHTHALATE	4 6-DINITRO-2-METHYL PHENOL	2,4-DINITROPHENOL	2,4-DINITROTOLUENE	2,6-DINITROTOLUENE	DIPHENYLAMINE	1, 2-DIPHENYLHYDRAZIN, S	DI-N-OCTY! PHTHA! ATE	FI IIOBANTHENE	FLUORENE	HEXACHLOROBENZENE	HEXACHLOROBUTADIENE	HEXACHI OROFTHANF	INDENO(1.2.3-CD)PYBENE	ISOPHORONE	3-METHYLCHOLANTHRENE	METHYL METHANESULFONATE	Z-MEIHYLNAPHIHALENE NADUTHAILNI	1-NAPHTHYLAM:NF	2-NAPHTHYLAMINE	2-NITROANILINE	3-NITROANILINE	4-NITROANILINE	NITED STATES AND STATE	N-N-TROCODIMETERS AND NE	N-NITROSODIPHE'AMINE	N-NITROSOP IPERIDINE	PENTACHLOROBENZENE	PENTACHLORON TROBENZENE

SAMPLES	
FOR PLANT 78 SOIL	Method Blank Sample Summary
QUALITY CONTROL SUMMARY FOR PLANT 78 SOIL SAMPLES	Method Blank

FOOTNOTE																																												
FOUND 0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.415	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0
DATE 03/24/90													02/14/90																															
BATCH SAMPLE D1759 MB*D1759*1	MB*D1759*1 MB*D1759*1	MB*D1759*1 MB*D1759*1	MB*D1759*1	MB*D1759*1	MB*D1759*1	MB*D1759*1	MB*D1759*1	MB*D1759*1	MB*D1759*1	M8*D1759*1	M8*D1759*1	MB*D1/59*1	_	MB*D1740*1	MB*D1740*1	MB*D1740*1	MB*D1/40*1	MR*D1/40*	MB*D1740*1	MB*D1740*1	MB*D1740*1	MB*D1740*;	MB*D1740*1	MB*D1740*1	MD*D1/4U*1	MB*D1740*1	MB*D1740*1	MB*D1740*1	MB*D1740*1	MB*D1740*1	MB*D1740*1	MB*D1740*1	MB*D1740*1	MB*D1740*1	MB*D1740*1	MB*D1740*1	MB*D1740*1	MD*D: /40*1	MB*D1740*1	MB*D1740*1	MB*D1740*1	MB*D1740*1	MB*D1740*1	MB*D1740*1
۵	97679*ADMS 97680*ADMS	99495*AUMS 99496*ADMS	99487*ADMS	99682*ADMS	99489*ADMS	9/6/3*AUMS 97674*ADMS	99685*ADMC	99490*ADMS	97675*ADMS	99492*ADMS	97681*ADMS	9858/*ADMS	34030*PI D1740	34010*PI	34301*P1	3437 *P	7,4034*F.	81524*P1	34418*HA	34413*HA	39175*HA	34311*HA	34668*HA	34423*HA	34466*TA 34501*TA	34496*HA	34546*HA	32106*HA	34531*HA	81522*HA 34506*HA	32102*HA	32101*HA	34541*HA	34699*HA	34511*HA	39180*HA	32105*HA	34576*#A	32104*HA	77562*HA	97758*HA	34475*HA	34516*HA	9//61*HA
UNITS MG/KG-DRY	MG/KG-DRY MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	7/9n	7/9n	7/9n	790	7/P	7/90	NG/L	7/90	T'9n	7/9n	N6/L	7/90	7/90	ng/L	NG/L	7/9n	7,9n	7,00	ne/L	NG/L	7/9n	UG/L	7 ne 7	7,90	7/00/1	167	7/20 00/L	1/9n	•		7/9n	
NAME PHENACETIN	2-METHYLPHENOL 4-METHYLPHENOL 3-MITBODHENOL	4 - N I TROPHENOL	N-NITROSODI-N-PROPYLAMINE	PENTACHLOROPHENOL	PRENANIHKENE 2 DIOCI ME	Z = P I COL I NE PRONAM I DE	DHENOI	PYRENE	1,2,4,5-TETRACHLOROBENZENE	1, 2, 4-TRICHLRBENZENE	2,3,4,5-1EIKACHLOROPHENOL	2,4,3-TRICHLRPHENOL	BENZENE	TOLUENE	CHLOROBENZENE	B D M D B E N Z E N E B D M D B E N Z E N E	VYI ENES TOTAL	DICHLOROBENZENE TOT.	CHLOROMETHANE	BROMOMETHANE	VINYL CHLORIDE	CHLOROETHANE	DICHLORODIFLUOROMETHANE	TRICH PERIODOMETHAND	1 1-DICHIOROFTHYI FNF	1, 1-D1CHLOROETHANE	TRANS-1,2-DICHLOROETHENE	CHLOROFORM	1, 2-DICHLOROETHANE	L 1 1-TRICH FETHANE	CARBON TETRACHLORIDE	BROMOD I CHLOROMETHANE	1, 2-DICHLOROPROPANE	TRANS-1, 3-DICHLOROPROPENE	1, 1, 2-TRICHL'ETHANE	INTERCHLORDE I HENE	DIBNORDCHLORORE I HANE	2-CHI OROFTHYI VINYI FTHER	BROMOFORM	1,1,1,2-TETRACH'ETHANE	TR I CHL OROP ROP ANE	TETRACHLOROETHENE	1, 1, 2, 2-1E TRACHLORO ETHANE	- CHLURUHE AANE

		1.													
		FOOTNOTE											=		
		R.P.D. CRIT.	20	: 2	5	50	. C.	27	47	50	200	47	35	36	23
		RECV CRIT R.P.D. R.P.D. CRIT.	70.2-124.8	70.2-124.83.72	31-137	25-102	26-103	28-104	28-89	11-114	41-126	17-109	26-190	35-142	38-107
	, ₋	%RECV	95.0	98.6	100	001	100	8	82	120	06	110	85	96	06
	L SAMPLES ite Summar	FOUND	401	416	6700	13000	13000	5400	5500	15000	0009	14000	11000	6400	0009
	VC. NT 78 SOI d Replica	TARGET	422	422	6700	13000	13000	6700	9029	13000	6700	13000	13000	00/9	6700
100	nunter/ESE, INC. MMARY FOR PLANT e Recovery and F	MB	7.66	7.66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	QUALITY CONTROL SUMMARY FOR PLANT 78 SOIL SAMPLES Standard Matrix Spike Recovery and Replicate Summary	DATE	03/16/90		03/24/90										
	QUALITY CON Standard Matr	SAMPLE	SP1*MBLK*1737	SP2*MBLK*1737	SP1*D1759*1	SP1*D1759*1	SP1*D1759*1	SP1*D1759*1	SP1*D1759*1	SP1*D1759*1	SP1*D1759*1	SP1*D1759*1	SP1*D1759*1	SP1*D1759*1	SP1*D1759*1
	.	BATCH	D1737		D1759										
(a) 3c,	6/53/40	STOR*METH	98233*AD		16/KG-DRY 99450*ADMS	MG/KG-DRY 99497*ADMS	MG/KG-DRY 99683*ADMS	MG/KG-DRY 99469*ADMS	MG/KG-DRY 99474*ADMS	MG/KG-DRY 99496*ADMS	MG/KG-DRY 99487*ADMS	IG/KG-DRY 99682*ADMS	IG/KG-DRY 99685*ADMS	16/KG-DRY 99490*ADMS	1G/KG-DRY 99492*ADMS
		UNITS	MG/KG-DRY 98233*AD	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY
		NAME	HYDROCARBONS, PETROL	HYDROCARBONS, PETROL	ACENAPHTHENE, SOIL	2-CHLOROPHENOL	4-CHLORO-3-METHYLPHENOL	1,4-DICHLOROBENZENE	2,4-DINITROTOLUENE	4-NITROPHENOL	N-NITROSODI-N-PROPYLAMINE	PENTACHLOROPHENOL	PHENOL	PYRENE	1,2,4-TRICHLRBENZENE

QUALITY CONTROL SUMMARY FOR PLANT 78 SOIL SAMPLES Sample Matrix Spike Recovery Summary

FOOTNOTE	
T	
6. 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	23 8 8 4 4 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8
8 6 6 6 7 7 8	5.1 8.0 6.9 0.0 0.0
RECV CRIT UNSPIKED 6-142 0.0 6-142 0.0 6-142 0.0 9-139 0.0 0-133 0.0 0-172 0.0 0-172 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0.0000000000000000000000000000000000000
RECV CRI 66-142 66-142 59-139 59-139 60-133 60-133 50-172 50-172 62-137 70.2-124. 31-137 31-137 31-137 25-102 25-102 26-103 28-104 28-104 28-104	114 1126 1126 1126 1109 1190 1142 1142
\$	
71 T T T T T T T T T T T T T T T T T T T	250 100 100 100 100 100 100 88 88 88
T FOUND 1290 1050 1310 1050 1320 1060 1180 969 1270 993 613 654 8500 17000 17000 18000 220000 6300 8254	25000 26000 8000 8400 18000 20000 16000 16000 8300 8100 7100
TARGET 0 1074 0 1074 5 1074 5 1074 2 1074 2 1074 6 1074 6 1074 8254 8254 8254 8254 8254 8254 8254	16016 16016 8254 8254 16016 16016 16016 16016 8254 8254 8254
MB 6.40 7.65 7.65 7.65 6.32 6.32 6.32 6.82 1.66 7.66 0.0 0.0 0.0 0.0 0.0	0.0000000000000000000000000000000000000
DATE 03/15/90 03/24/90	
BATCH SAMPLE D1749 SPM1*BCSS3*3 SPM2*BCSS3*3 SPM1*BCSS3*3 SPM1*BCSS3*3 SPM1*BCSS3*3 SPM1*BCSS3*3 SPM1*BCSS3*3 SPM1*BCSS3*3 SPM1*BCSS3*3 D1737 SPM1*BCSS3*4 SPM1*BCSS3*4 SPM2*BCSS3*4 SPM1*BCSS3*7 SPM2*BCSS3*7 SPM2*BCSS3*7	SPM 1*80SS3*7 SPM 2*80SS3*7 SPM 2*80SS3*7 SPM 1*80SS3*7
UNITS STOR*METH MG/KG-DRY 34237*ADP1 MG/KG-DRY 34483*ADP1 MG/KG-DRY 3434*ADP1 MG/KG-DRY 3434*ADP1 MG/KG-DRY 34504*ADP1 MG/KG-DRY 34504*ADHA MG/KG-DRY 34504*ADHA MG/KG-DRY 99497*ADHA MG/KG-DRY 99497*ADHS MG/KG-DRY 99469*ADMS MG/KG-DRY 99469*ADMS MG/KG-DRY 99469*ADMS MG/KG-DRY 99469*ADMS MG/KG-DRY 99469*ADMS MG/KG-DRY 99683*ADMS MG/KG-DRY 99683*ADMS MG/KG-DRY 99683*ADMS MG/KG-DRY 99683*ADMS MG/KG-DRY 99683*ADMS	DRY 99496*ADNS DRY 99487*ADNS DRY 99682*ADNS DRY 99685*ADNS DRY 99490*ADNS DRY 99492*ADNS
UNITS MG/KG-DRY	MG/KG-DRY MG/KG-DRY MG/KG-DRY MG/KG-DRY MG/KG-DRY MG/KG-DRY MG/KG-DRY MG/KG-DRY MG/KG-DRY MG/KG-DRY
NAME BENZENE BENZENE BENZENE TOLUENE TOLUENE TOLUENE TOLUENE CHLOROBENZENE I, 1-D1CHLOROETHENE I, 1-D1CHLOROETHENE IR ICHLOROETHENE TR ICHLOROPHENOL ACENAPHTHENE, SOIL ACENAPHTHENE, SOIL 2-CHLOROPHENOL 2-CHLOROPHENOL 3-CHLOROPHENOL 1, 4-D I CHLOROBENZENE 1, 4-D I CHLOROBENZENE 1, 4-D I CHLOROBENZENE 2, 4-D IN ITROTOLUENE 2, 4-D IN ITROTOLUENE 2, 4-D IN ITROTOLUENE	4-NITROPHENOL A-NITROPHENOL N-NITROSODI-N-PROPYLAMINE N-NITROSODI-N-PROPYLAMINE PENTACHLOROPHENOL PHENOL PHENOL PYRENE PYRENE 1,2,4-TRICHLRBENZENE 1,2,4-TRICHLRBENZENE

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	Definit SPIKE SA	100 * (F Criteria Concentr	100 * (A 100 * (A 100 * (A
NC.	0,	-00	
Environmental Science and Engineering, INC. Table of Definitions for QC Report Columnar Terms	Title Sample Concentration Concentration of UNSPIKED Sample Concentration of Replicate Sample	Percent Recovery: Recovery Criteria Unspiked Sample Concentration Concentration of Method Blank	Relative Percent Difference (Matrix Spikes) Replicate Percent Difference (Control Spikes) Replicate Percent Difference (Replicate Samples) Maximum value of Replicate Difference Calibration Curve Detection Limit Not Analyzed Not Available
065740	ltem FOUND FOUND # 1 FOUND # 2	%RECV RECV CR1T UNSP!KED M*BLK	R.P.D. R.P.D. R.P.D. MAX % REPL DIFF C.D.L. N/A

```
(ABS (%RECV SPMn - %RECV SPMn-1)/(%RECV SPMn + %RECV SPMn-1)/2)
(ABS (%RECV SPn - %RECV SP1 )/(%RECV SPn + %RECV SP1 )/2)
(ABS (Conc Rep #2 - Conc Rep #1 )/(Conc Rep #2 + Conc Rep #1)/2)
                                                                                                                                                  (FOUND/ TARGET) displayed in appropriate significant figures ia for Percent Recovery set in the parameter record.
tration of the DA or UN sample
ition
SAMPLE CONC - UNSPIKED SAMPLE CONC
```

Table of Definitions for QC Report
Special Terms

ltem D*1 U*2 RPD*1

Minimum Recovery Limit Maximum Recovery Limit U*!
UNSPIKED = 0
BLANK LINE
NC
NDL
MIN.REC

Definition

No analysis date.R*!

Raw sample or UN sample is null or does not exist.

SPI data is null or does not exist.

SPI data is null or does not exist.

UN or DA parameter status is NR (NOT REQUESTED)

If the parameter is reported as a "LESS THAN" the data is converted to 0 for calculation purpos Sample status is either NA or NR. NA=NOT ANALYZED, NR=NOT REQUESTED

No curve found.

No curve detection limit in the curve record.

Average Recovery - Recovery Limit

Average Recovery + Recovery Limit

FOOTNOTES FOR THE EVALUATION OF THE PLANT 78 QUALITY CONTROL SUMMARIES:

1. This a computer rounding artifact. In fact the target is 13333 mg/kg, the found value is 14194 mg/kg, and the recovery is 106%. This is within acceptance criteria.

Table of Definitions for QC Report

Definition	SPIKE SAMPLE CONC - UNSPIKED SAMPLE CONC.	100 x (FOUND/TARGET) (see note below)	100 x (ABS (%RECV SPMn - %RECV SPMn-1)/(%RECV SPMn + %RECV SPMn-1)/2where n > or = 2 100 x (ABS (%RECV SPn - %RECV SP1)/(%RECV SPn + %RECV SP1)). where n > or = 2 100 x (ABS (%RECV SPn - %RECV SP1)/(%RECV RPn + %RECV RP1)). where n > or = 2	Criteria for RPD set in the parameter record.				
Title	Sample Concentration Concentration of UNSPIKED Sample Concentration of Replicate Sample	Percent Recovery Criteria for Percent Recovery set in the parameter record. Unspiked Sample Concentration Concentration of Method Blank	Relative Percent Difference (Matrix Spikes) Relative Percent Difference (Control Spikes) Relative Percent Difference (Replicate Spikes)	Maximum value of Replicate Difference Absolute value of calculation Relative Percent Difference Criteria Relative Percent Difference Criteria Handout of specific analyte added to the standard or sample matrix His that contrint saming and OP date	STORET (Storage/Retrieval) system with Method Code. These codes are for internal ESE use only. Target value is null or 0 in the data batch. The parameter is not requested for that sample, so the concentration in the unrenited sample cannot be calculated.	unplaced sample cannot no carculated. The unspiked sample data is not located in that data batch. The SPI data is not located in that data batch. Cold Vapor Atomic Absorption Graphite Furnace Atomic Absorption Air Force project, using Inductively Coupled Argon Plasma Gaineaville Lab, using Gas Chromatography/Mass Spec.	Gas chromatography method with an Electron Capture Detector Gas chromatography method with a Hall Detector Ion chromatography Air Force project, classical inorganic methods ESE's sample designation Date of analysis Method of expressing concentration	Milligrams per liter Micrograms per liter Not Available Not applicable Not pepticable Method blank n can represent the number of method blanks in the batch or the date of preparation if more than one day of extractions are contained in the batch. Reference material. Replicate analysis; identifying the sample replicated Standard matrix spike of QC check sample.
Item	FOUND FOUND #1 FOUND #2	%RECV RECV CRIT UNSPIKED M*BLK	R.P.D. R.P.D. R.P.D.	MAX % REPL DIFF ABS RPD CRIT TARGET RATCH	STOR*METH T*1 U*1	U*2 RPD*1 CVAA GFAA AICP GMS	BC HA IC AI or 1 SAMPLE DATE UNITS	MG/L UG/L NAME NA NA N/A MB*NONE*n RF*REF Id RP*FIELD GROUP*SEQ # SPa**NONE*n

SPMn*FIELD GROUP*SEQ#

SUR*FIELD GROUP*SEQ#

LCS*NONE*n SPX*FIELD GROUP*SEQ#

Standard matrix spite of QC check sample
Standard matrix spite of QC check sample for metals
For metals analysis only, this is an analytical or post digestion
sample matrix spite.
Sample matrix spite, identifying the sample spiked
Surrogate spike, identifying the sample or the laboratory sample spiked.

For multiple spikes, all are compared to the first spike, when calculating the RPD value.

For values that are less than the detection limit, the detection limit is used for calculation purposes.

Calculations are performed using the number of significant figures specific to that analysis. Example: If target = 40, and found = 41; calculated % recovery = 102.5 reported % recovery = 100.

Glossary of Terms and Symbols

DEFINITIONS

Trip Blank: A sample bottle is filled with ASTM Type II Reagent Water in the laboratory, transported to the site, handled like a sample, and returned to the laboratory for analysis (trip blanks are not to be opened in the field). The trip blank for soils is Type II Reagent Water just as in the case of water samples.

Ambient Conditions Blank: Type II Reagent Water is poured into a samples container at the site, the is handled like a sample and transported to laboratory for analysis.

Equipment Blank: Type II Reagent Water is poured into the sampling device, or pumped through it (in the case of sampling pumps), transferred to the sample bottle, and then transported to the laboratory for analysis.

Duplicate: Two samples collected independently at a sampling location during a single act of sampling. Field duplicates shall be disguised so that laboratory personnel performing the analyses are not able to determine which samples are duplicates.

Method Blank: Method blanks consist of analyte-free water or soil, processed in the exact manner as the samples within a batch, using identical reagents and solvents.

Sample Matrix Spike: For every 20 samples, a sample is selected that represents the matrix and is spiked in duplicate with analytes specified for each method.

Surrogate Spikes: Surrogate spikes are compounds that are added to every sample analyzed, including the standards, blanks, matrix spikes and QC check samples, to assess the recovery of the method.

Standard Matrix Spikes/QC Check Sample: A QC check sample consists of either an EPA reference, NBS-traceable reference, or an in-laboratory prepared spike into a standard matrix (typically deionized water) using stocks made independently of the calibration standards (i. e. same as a standard matrix spike). The QC check sample or standard matrix spike can serve one or two purposes depending on the method:

- 1) Verify the standard calibration using and independent standard. This occurs when the method involves direct analysis of the sample.
- 2) Differentiate between sample matrix interference and analytical procedural error. Sample matrix spikes that fall outside of precision and/or accuracy acceptance criteria indicate either a matrix interference or a problem with the standard analytical procedure. An acceptable QC check sample provides strong evidence that a matrix interference is present.